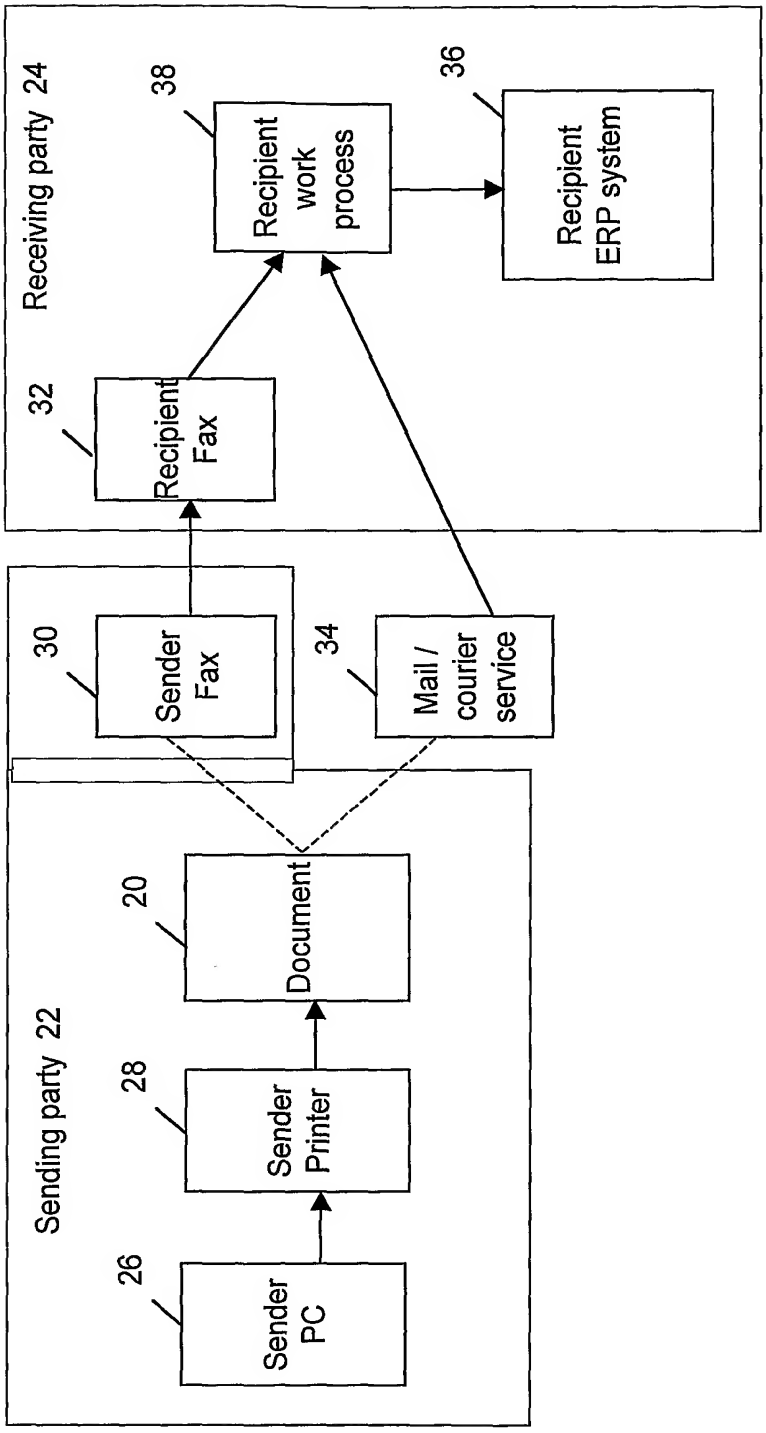

Receiving party 24
38
Recipient work process
36
Recipient ERP system
32
Recipient Fax
30
Sender Fax
34
Mail / courier service
Sending party 22
20
Document
28
Sender Printer
26
Sender PC

FIG. 1

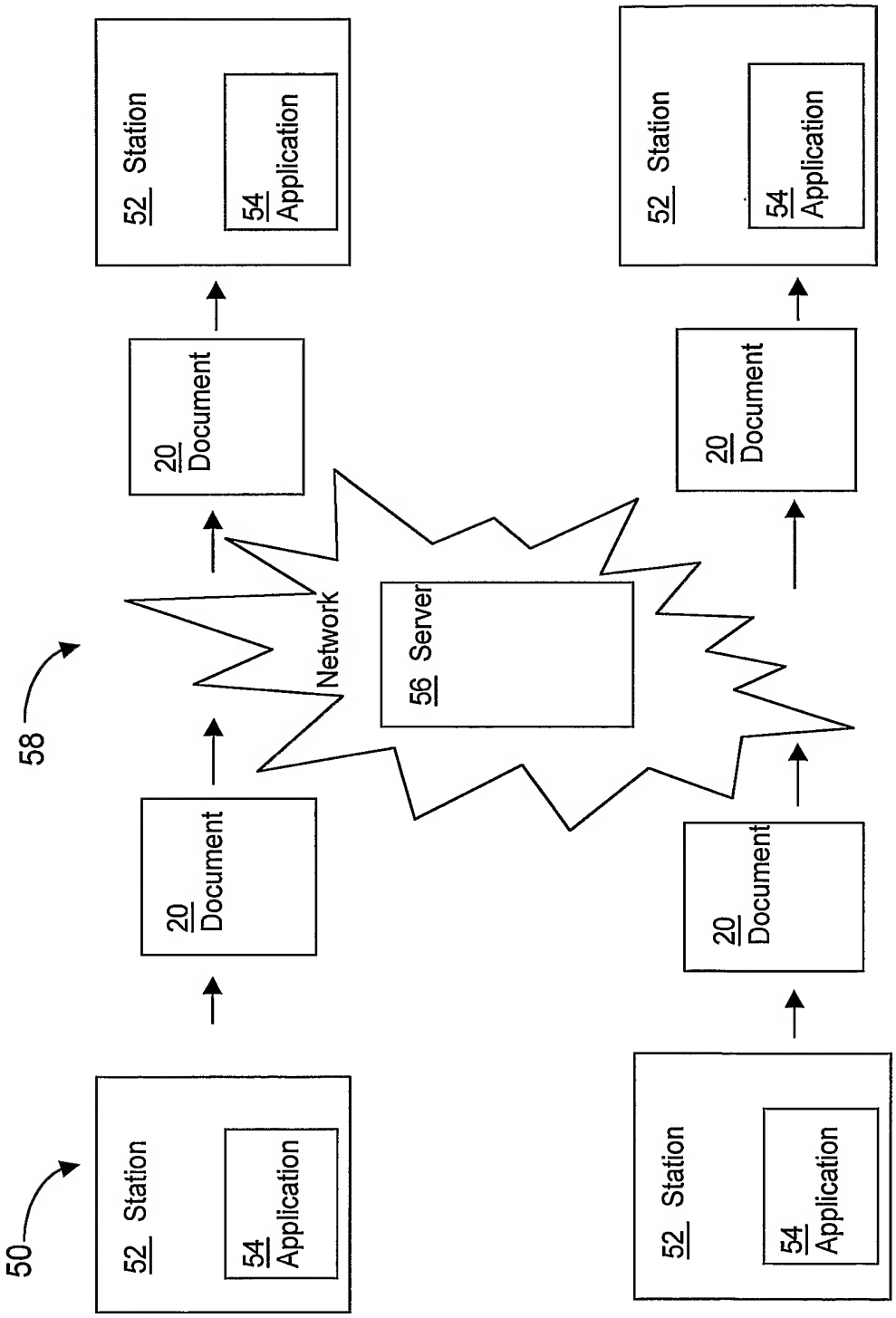

50
52 Station
54 Application
20 Document
58
Network
56 Server
52 Station
54 Application
20 Document
52 Station
54 Application
20 Document
52 Station
54 Application
20 Document

FIG. 2

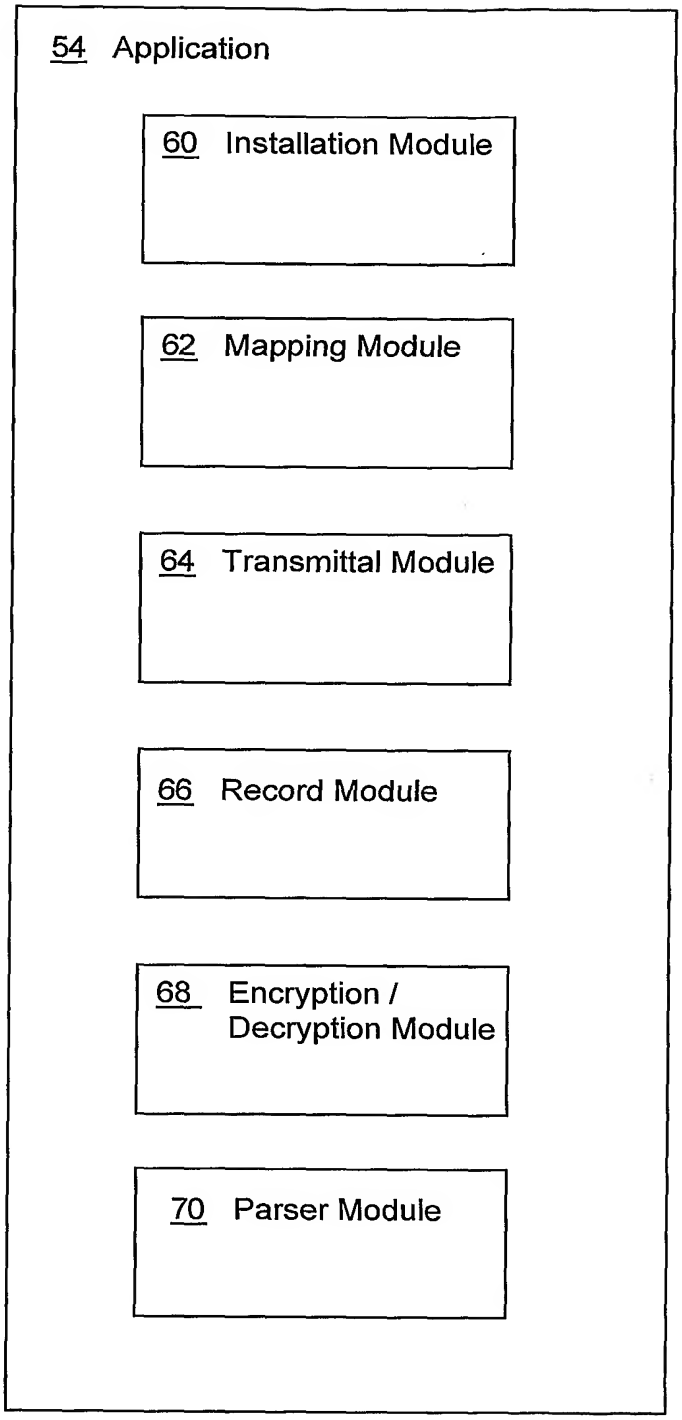

54 Application
60 Installation Module
62 Mapping Module
64 Transmittal Module
66 Record Module
68 Encryption / Decryption Module
70 Parser Module

FIG. 3

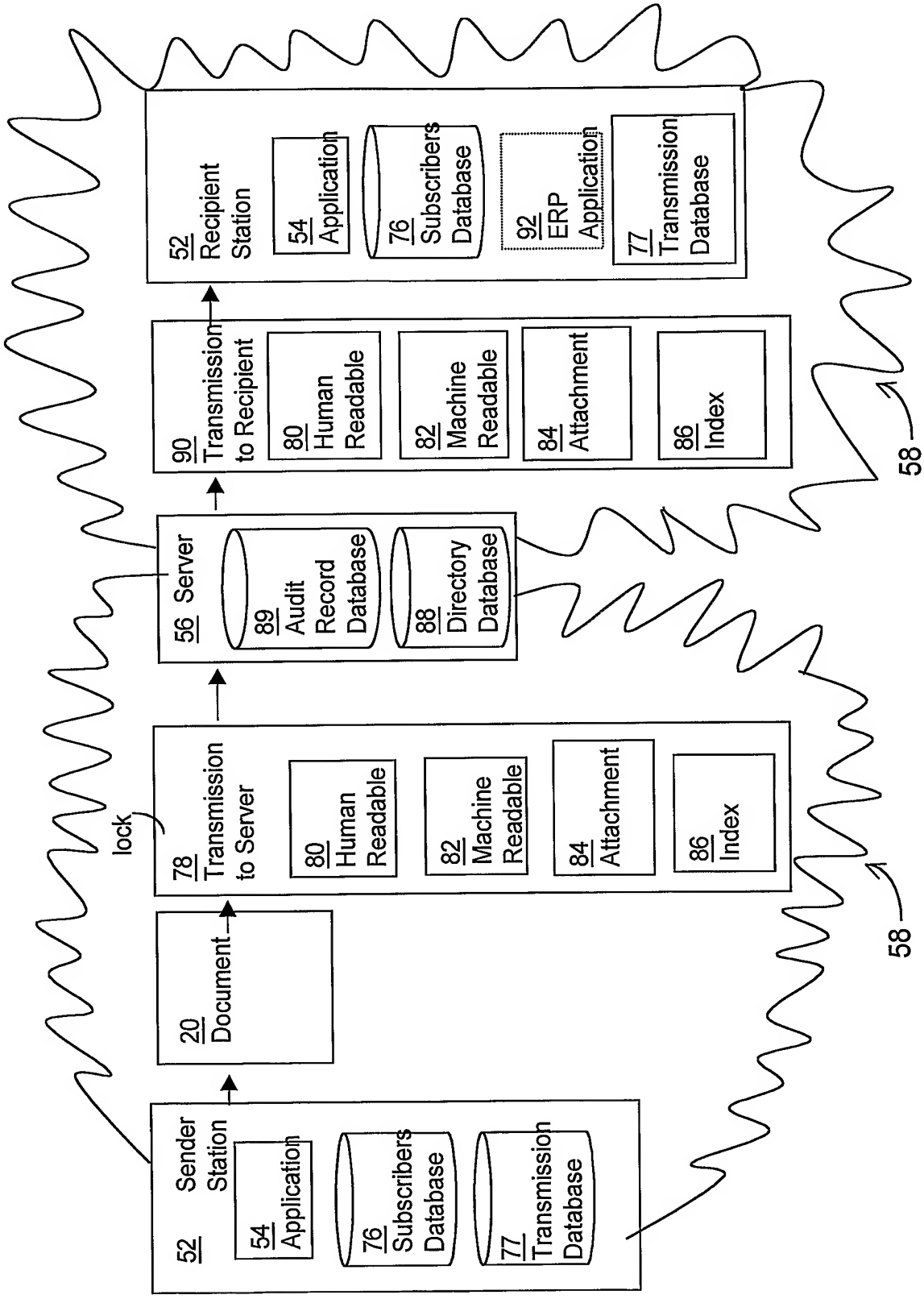

52 Sender Station
54 Application
76 Subscribers Database
77 Transmission Database
20 Document
lock
78 Transmission to Server
80 Human Readable
82 Machine Readable
84 Attachment
86 Index
56 Server
89 Audit Record Database
88 Directory Database
90 Transmission to Recipient
80 Human Readable
82 Machine Readable
84 Attachment
86 Index
52 Recipient Station
54 Application
76 Subscribers Database
92 ERP Application
77 Transmission Database
58
58

FIG. 4

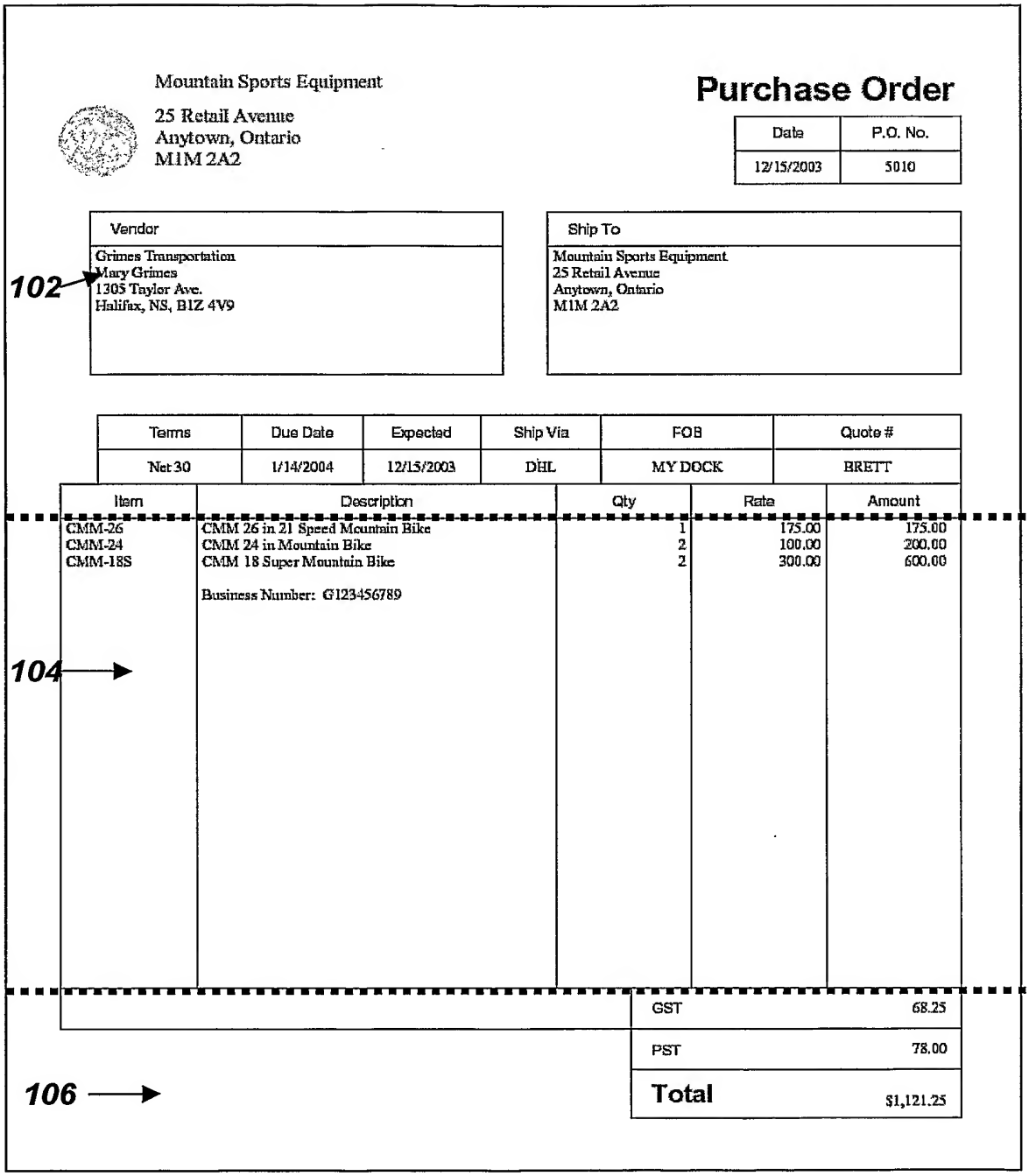

Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Purchase Order
Date
P.O. No.
12/15/2003
5010
Vendor
Grimes Transportation
Mary Grimes
1305 Taylor Ave.
Halifax, NS, B1Z 4V9
102
Ship To
Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Terms
Due Date
Expected
Ship Via
FOB
Quote #
Net 30
1/14/2004
12/15/2003
DHL
MY DOCK
BRETT
Item
Description
Qty
Rate
Amount
CMM-26
CMM 26 in 21 Speed Mountain Bike
1
175.00
175.00
CMM-24
CMM 24 in Mountain Bike
2
100.00
200.00
CMM-18S
CMM 18 Super Mountain Bike
2
300.00
600.00
Business Number: G123456789
104
GST
68.25
PST
78.00
Total
$1,121.25
106

FIG.5

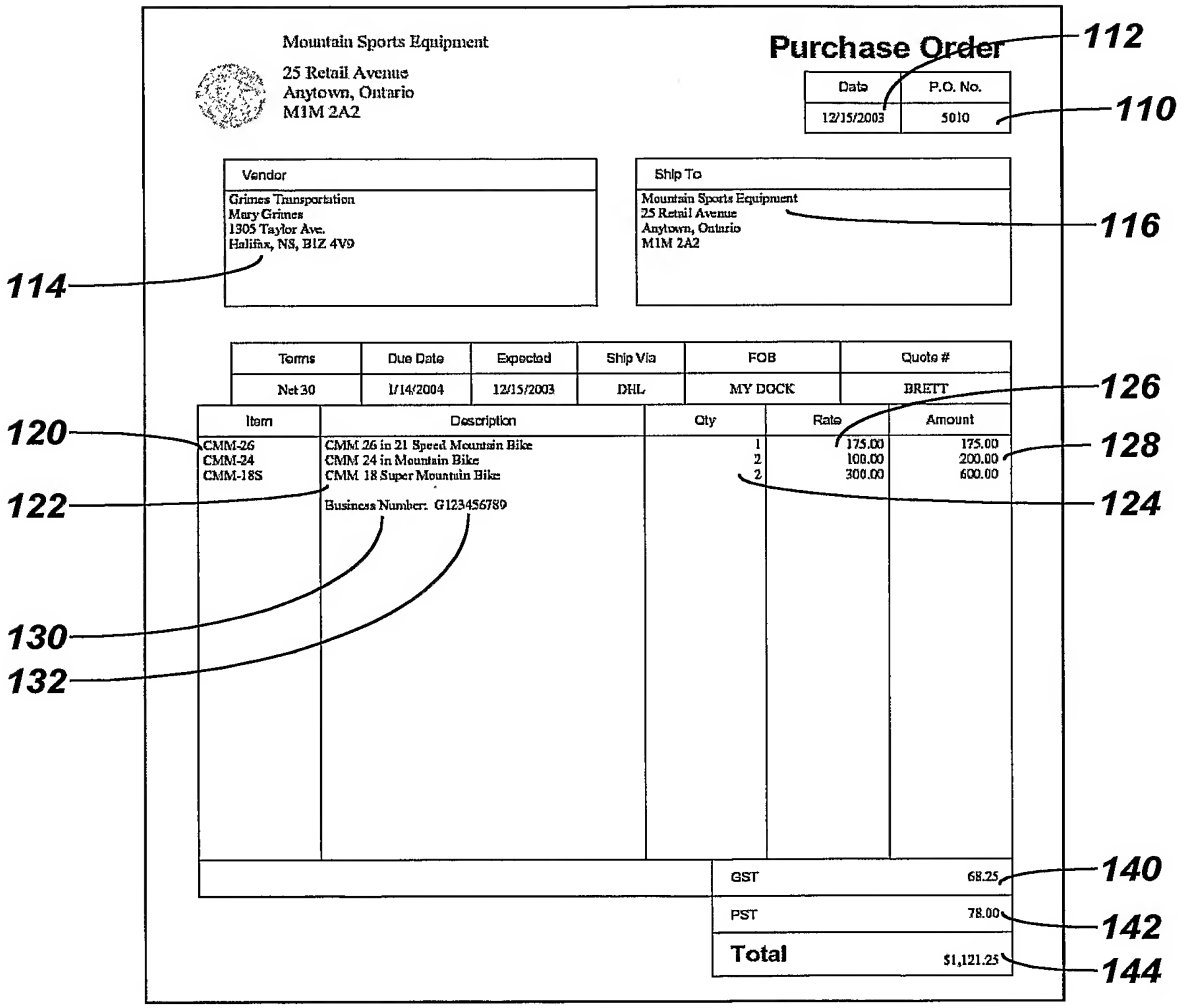

Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Purchase Order
Date
P.O. No.
12/15/2003
5010
Vendor
Grimes Transportation
Mary Grimes
1305 Taylor Ave.
Halifax, NS, B1Z 4V9
Ship To
Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Terms
Due Date
Expected
Ship Via
FOB
Quote #
Net 30
1/14/2004
12/15/2003
DHL
MY DOCK
BRETT
Item
Description
Qty
Rate
Amount
CMM-26
CMM-24
CMM-18S
CMM 26 in 21 Speed Mountain Bike
CMM 24 in Mountain Bike
CMM 18 Super Mountain Bike
1
2
2
175.00
100.00
300.00
175.00
200.00
600.00
Business Number: G123456789
GST
68.25
PST
78.00
Total
$1,121.25
112
110
114
116
126
120
128
122
124
130
132
140
142
144

FIG. 6

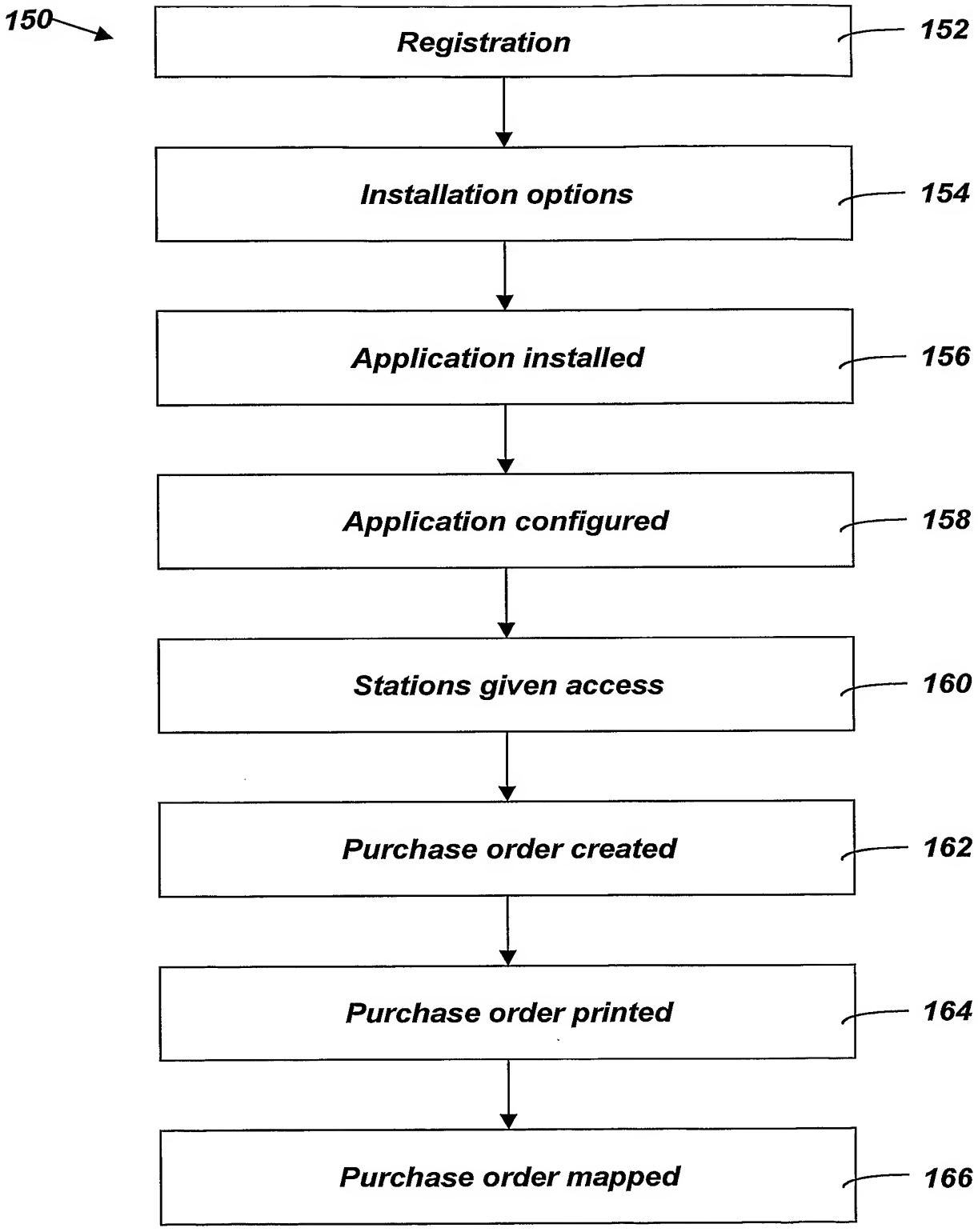

150
Registration
152
Installation options
154
Application installed
156
Application configured
158
Stations given access
160
Purchase order created
162
Purchase order printed
164
Purchase order mapped
166

FIG.7

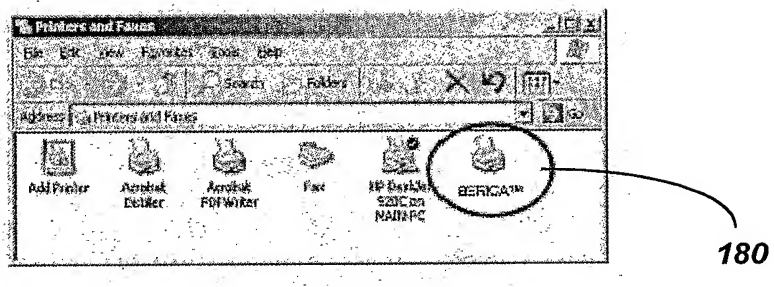

Printers and Faxes
Add Printer
Acrobat Distiller
Acrobat PDFWriter
Fax
SERICA™
180

FIG. 8

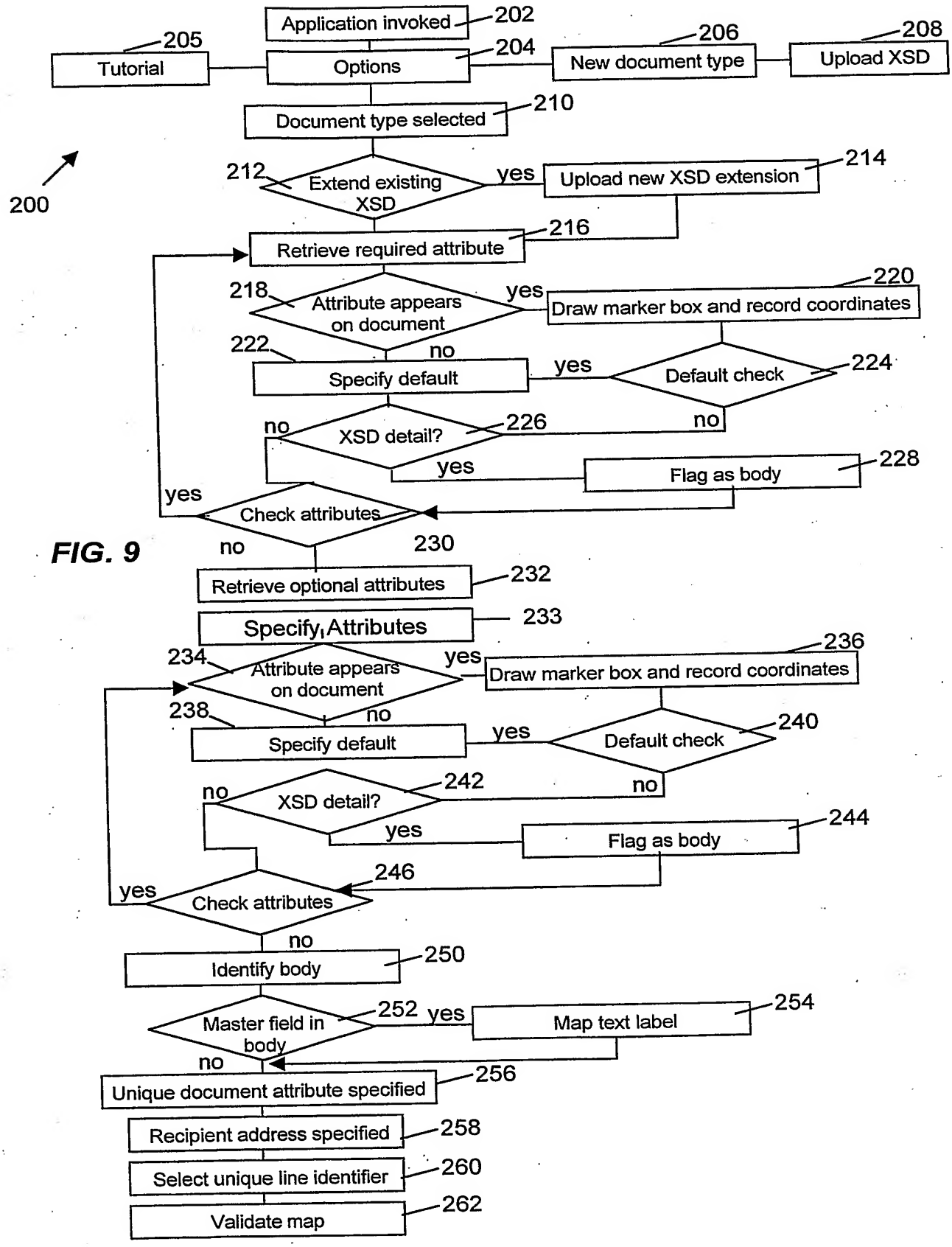

Application invoked
202
Tutorial
205
Options
204
New document type
206
Upload XSD
208
Document type selected
210
200
212
Extend existing XSD
yes
Upload new XSD extension
214
Retrieve required attribute
216
218
Attribute appears on document
yes
Draw marker box and record coordinates
220
222
Specify default
no
yes
Default check
224
no
no
XSD detail?
226
yes
Flag as body
228
yes
Check attributes
no
230
Retrieve optional attributes
232
Specify Attributes
233
234
Attribute appears on document
yes
Draw marker box and record coordinates
236
238
Specify default
no
yes
Default check
240
no
no
XSD detail?
242
yes
Flag as body
244
yes
Check attributes
246
no
Identify body
250
Master field in body
252
yes
Map text label
254
no
Unique document attribute specified
256
Recipient address specified
258
Select unique line identifier
260
Validate map
262

FIG. 9

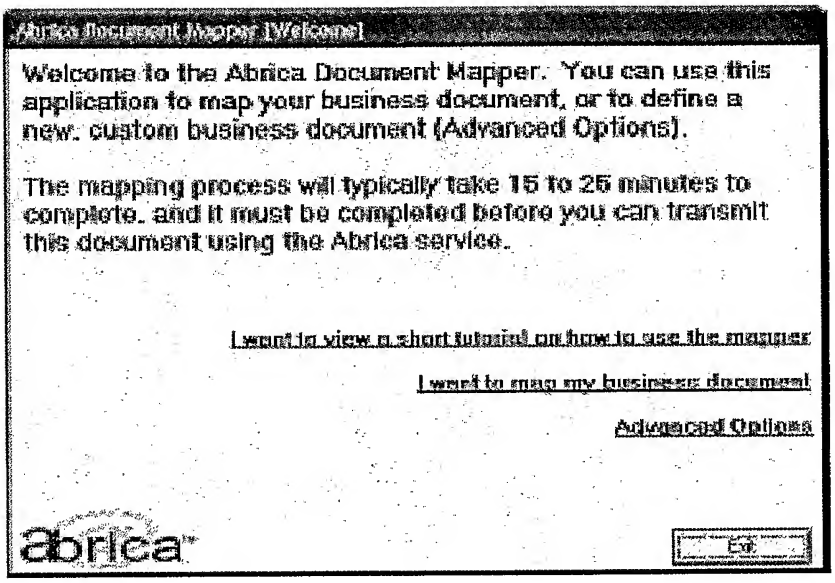

Abrica Document Mapper [Welcome]
Welcome to the Abrica Document Mapper. You can use this application to map your business document, or to define a new, custom business document (Advanced Options).
The mapping process will typically take 15 to 25 minutes to complete, and it must be completed before you can transmit this document using the Abrica service.
I want to view a short tutorial on how to use the mapper
I want to map my business document
Advanced Options
abrica
Exit

FIG.10

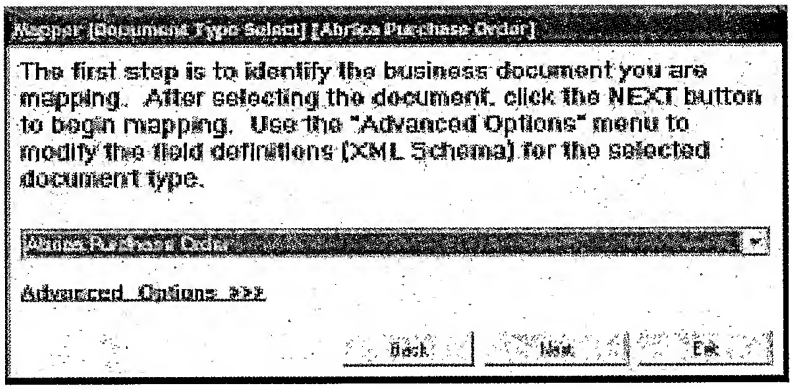

Mapper [Document Type Select] [Abrites Purchase Order]
The first step is to identify the business document you are mapping. After selecting the document, click the NEXT button to begin mapping. Use the "Advanced Options" menu to modify the field definitions (XML Schema) for the selected document type.
Abrites Purchase Order
Advanced Options >>>
Back
Next
Exit

FIG.11

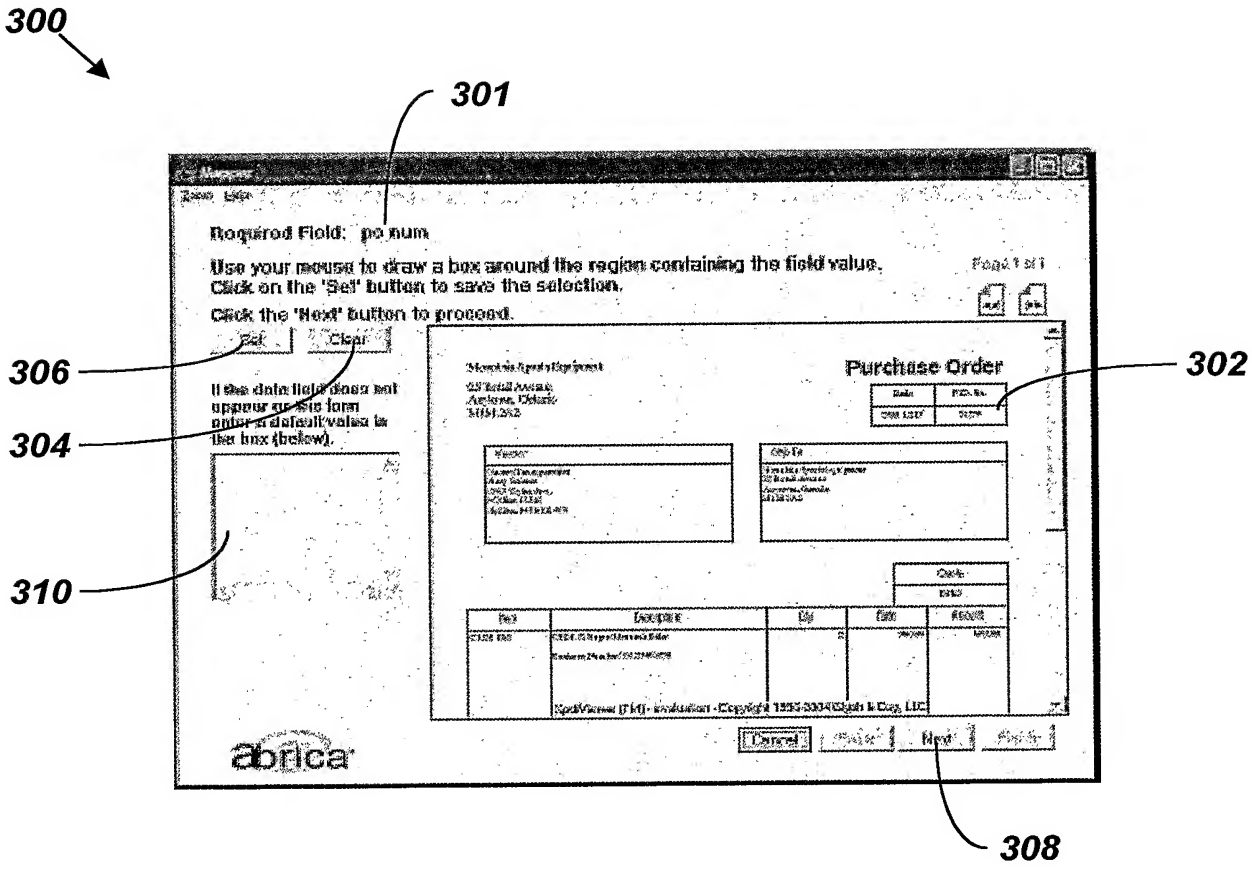

300
301
Required Field: po num
Use your mouse to draw a box around the region containing the field value.
Click on the 'Set' button to save the selection.
Click the 'Next' button to proceed.
Set
Clear
306
304
310
Purchase Order
302
Cancel
Next
308

FIG.12

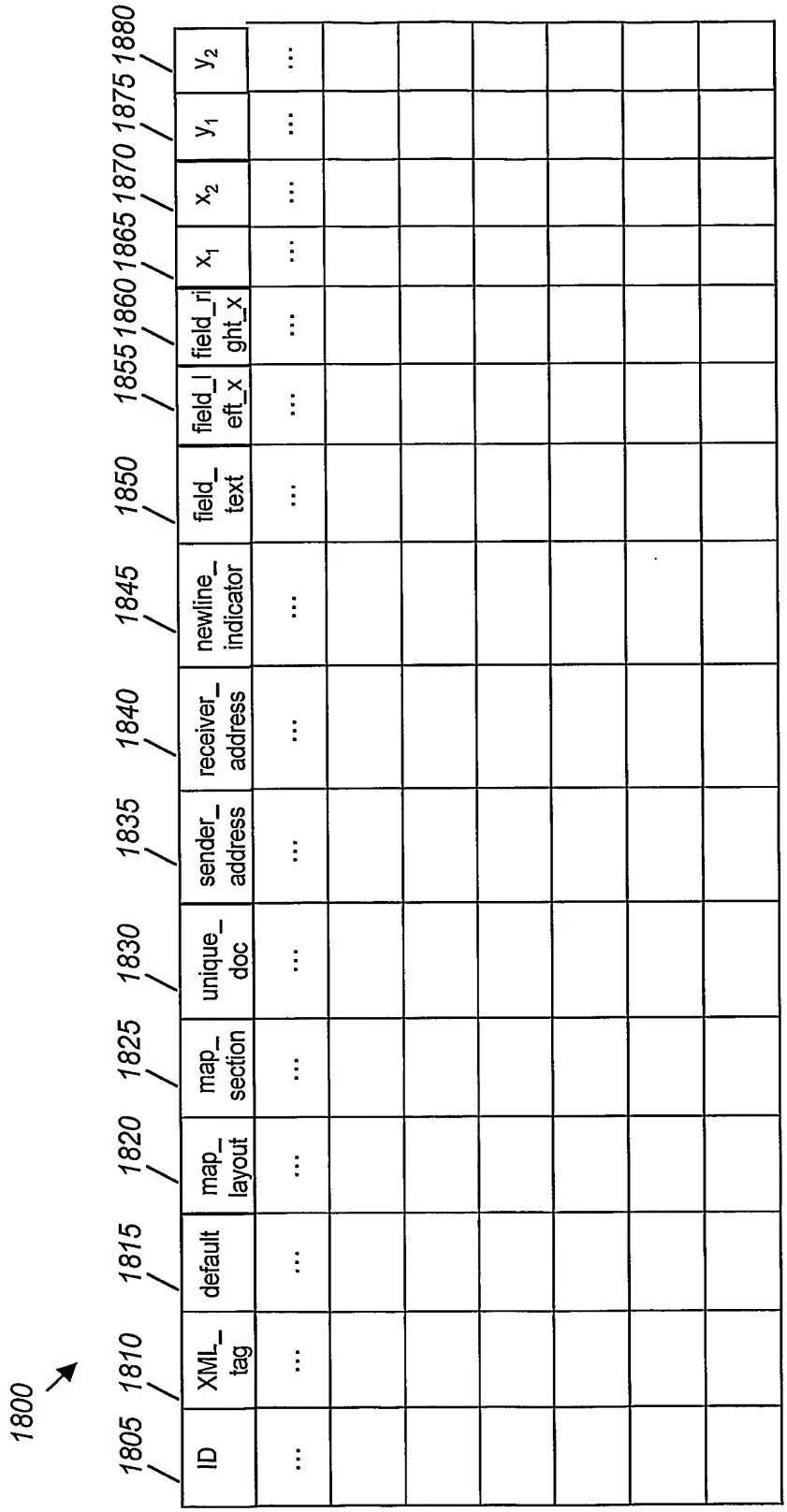

1800
1805
1810
1815
1820
1825
1830
1835
1840
1845
1850
1855
1860
1865
1870
1875
1880
ID
XML_ tag
default
map_ layout
map_ section
unique_ doc
sender_ address
receiver_ address
newline_ indicator
field_ text
field_l eft_x
field_ri ght_x
x1
x2
y1
y2

FIG. 13

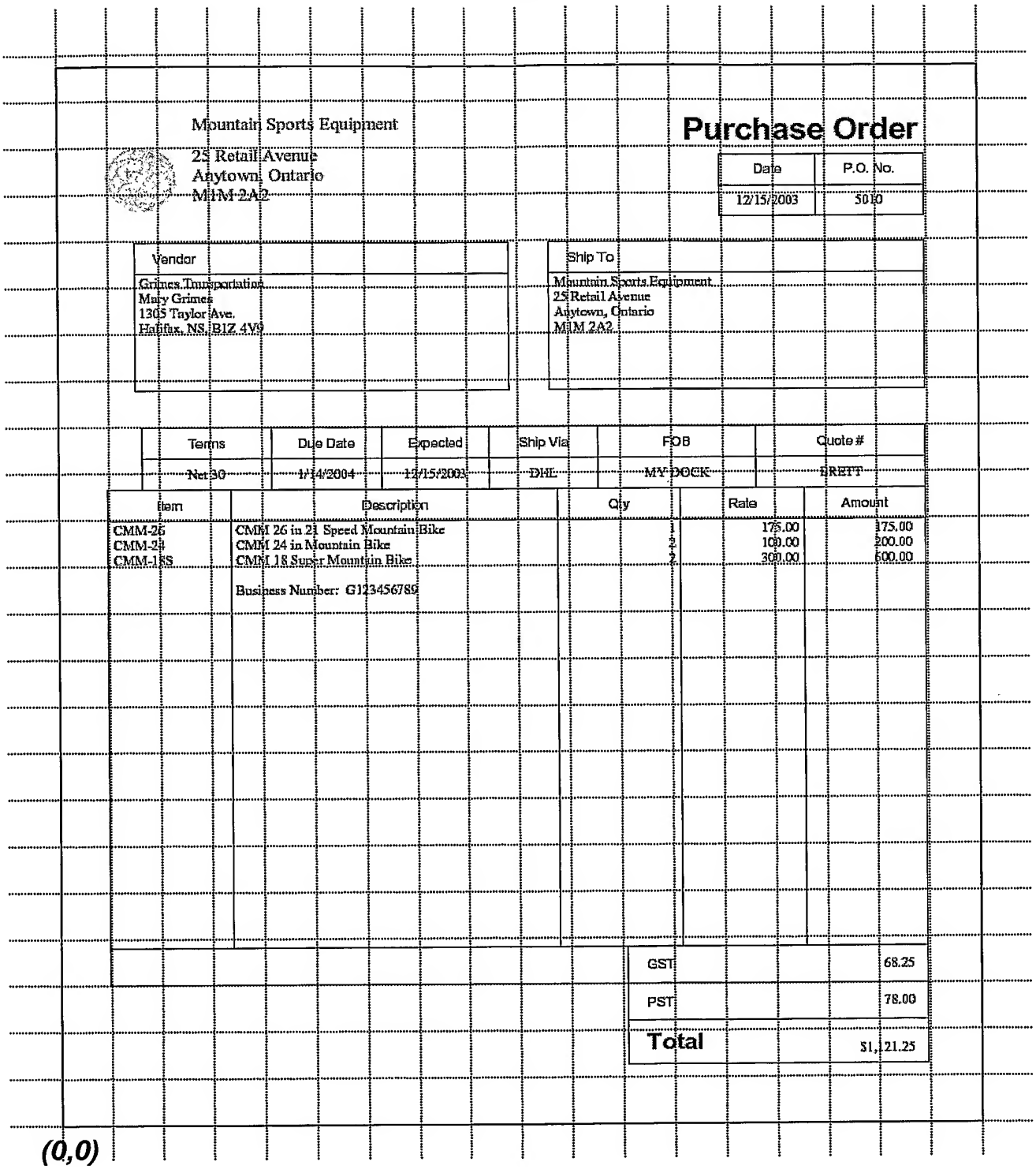

Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Purchase Order
Date
P.O. No.
12/15/2003
5010
Vendor
Grimes Transportation
Mary Grimes
1305 Taylor Ave.
Halifax, NS, B1Z 4V9
Ship To
Mountain Sports Equipment
25 Retail Avenue
Anytown, Ontario
M1M 2A2
Terms
Due Date
Expected
Ship Via
FOB
Quote #
Net 30
1/14/2004
12/15/2003
DHL
MY DOCK
ERETT
Item
Description
Qty
Rate
Amount
CMM-26
CMM 26 in 21 Speed Mountain Bike
1
175.00
175.00
CMM-24
CMM 24 in Mountain Bike
2
100.00
200.00
CMM-18S
CMM 18 Super Mountain Bike
2
300.00
600.00
Business Number: G123456789
GST
68.25
PST
78.00
Total
$1,121.25
(0,0)

FIG.14

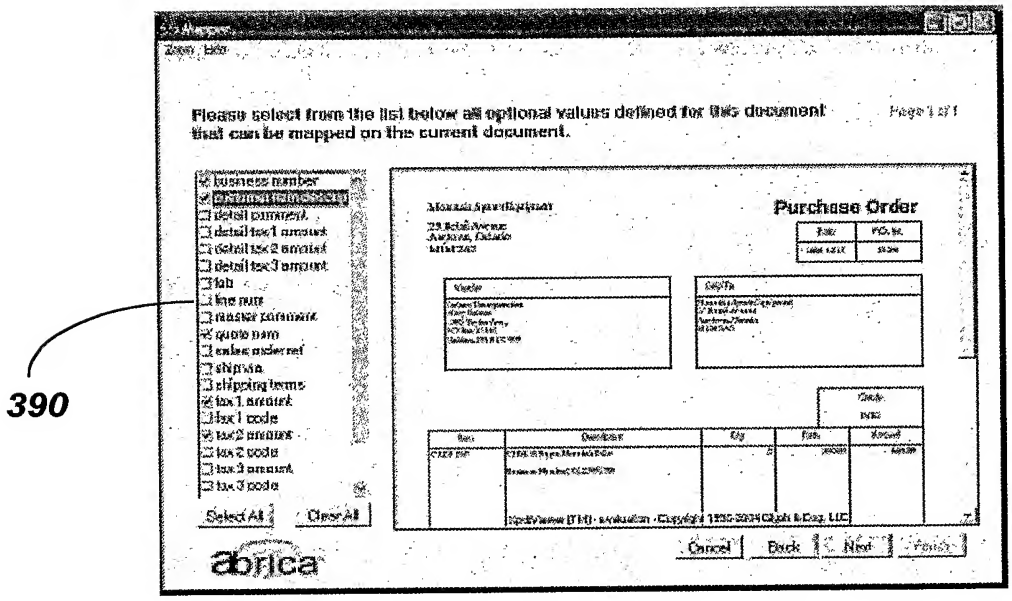

Please select from the list below all optional values defined for this document that can be mapped on the current document.
Purchase Order
Select All
Clear All
Cancel
Back
Next
390

FIG.15

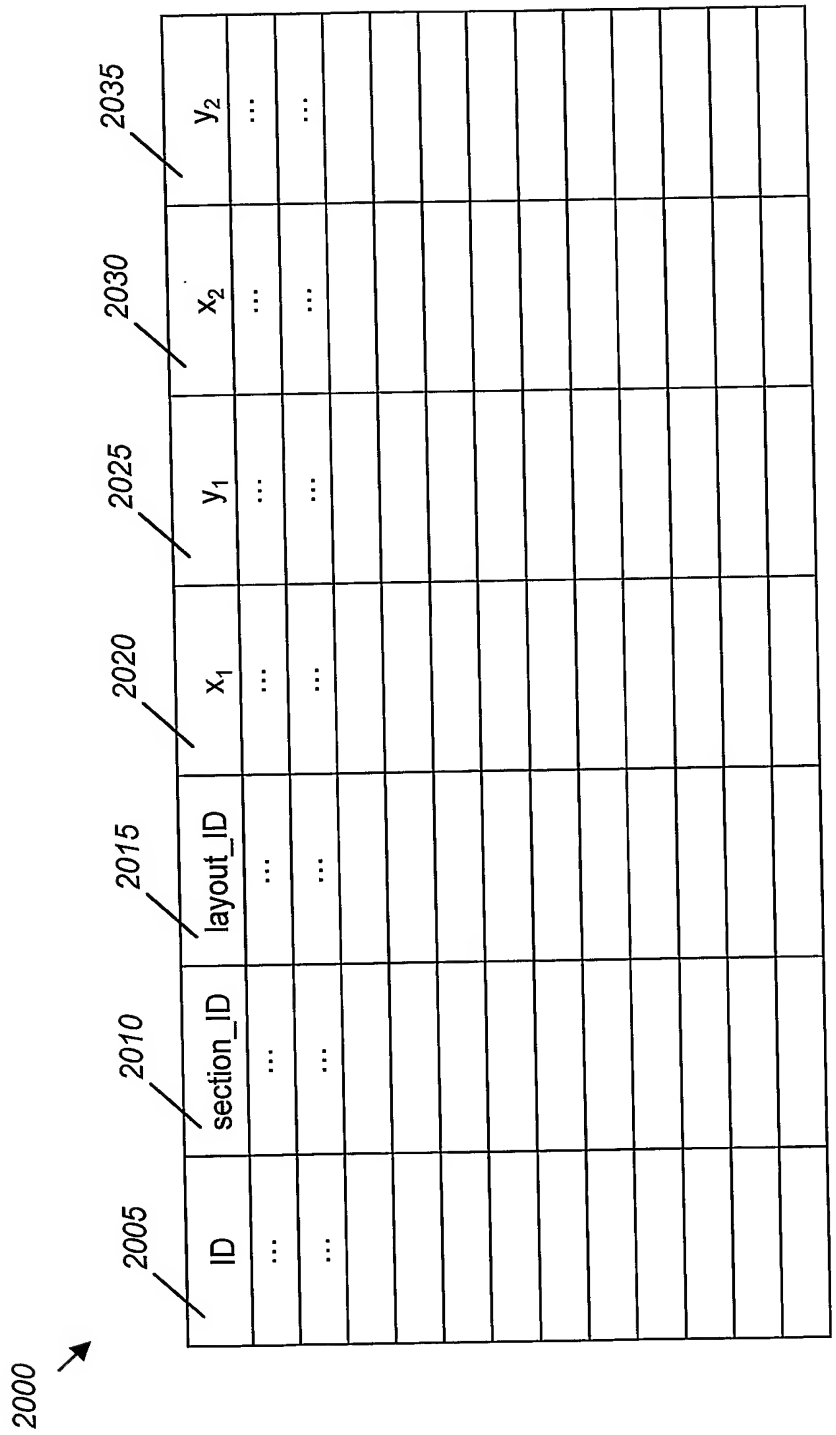

2000
2005
ID
2010
section_ID
2015
layout_ID
2020
x_1
2025
y_1
2030
x_2
2035
y_2

FIG. 16

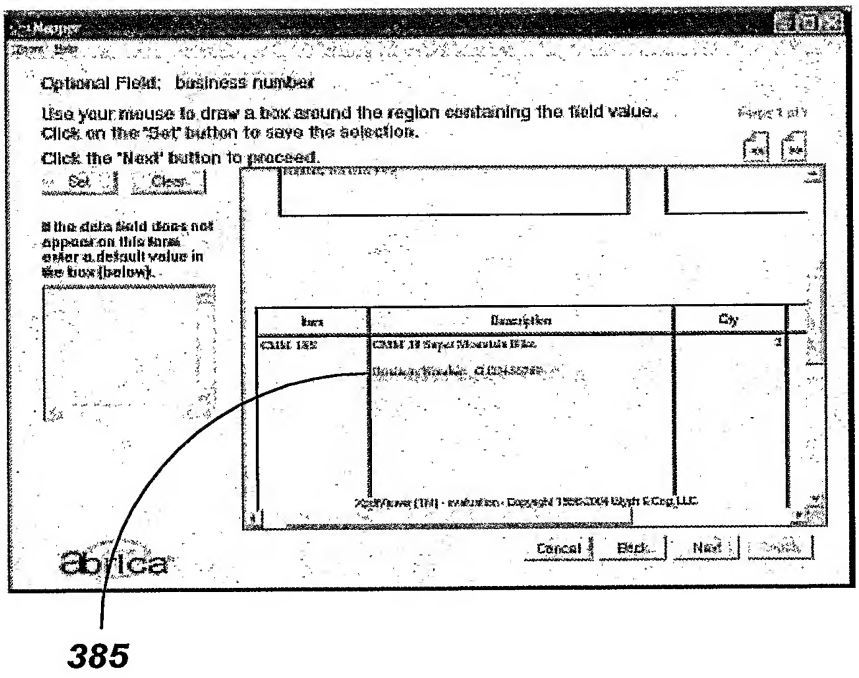

Optional Field: business number
Use your mouse to draw a box around the region containing the field value.
Click on the "Set" button to save the selection.
Click the "Next" button to proceed.
Set
Clear
If the data field does not appear on this form, enter a default value in the box (below).
Item
Description
Qty
Cancel
Back
Next
abrica
385

FIG.17

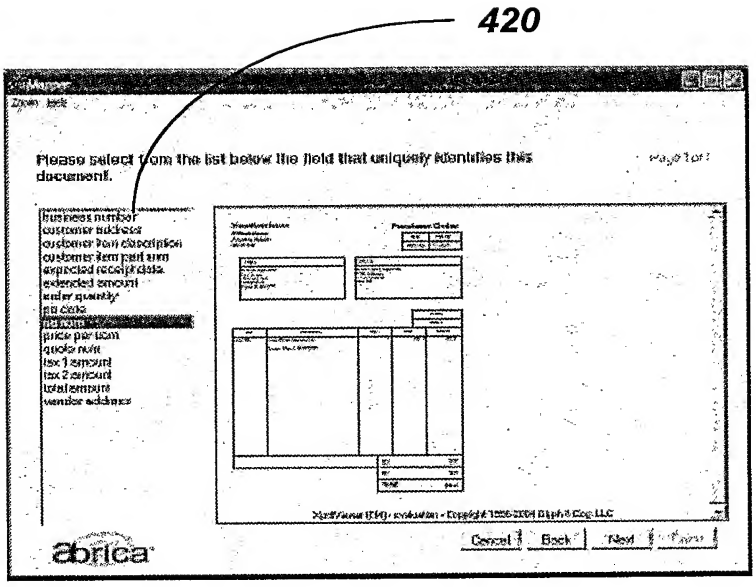

420
Please select from the list below the field that uniquely identifies this document.
business number
customer number
customer item description
customer item part num
expected receipt date
extended amount
order quantity
po date
price per item
quote num
tax 1 amount
tax 2 amount
total amount
vendor address
Cancel
Back
Next

FIG.18

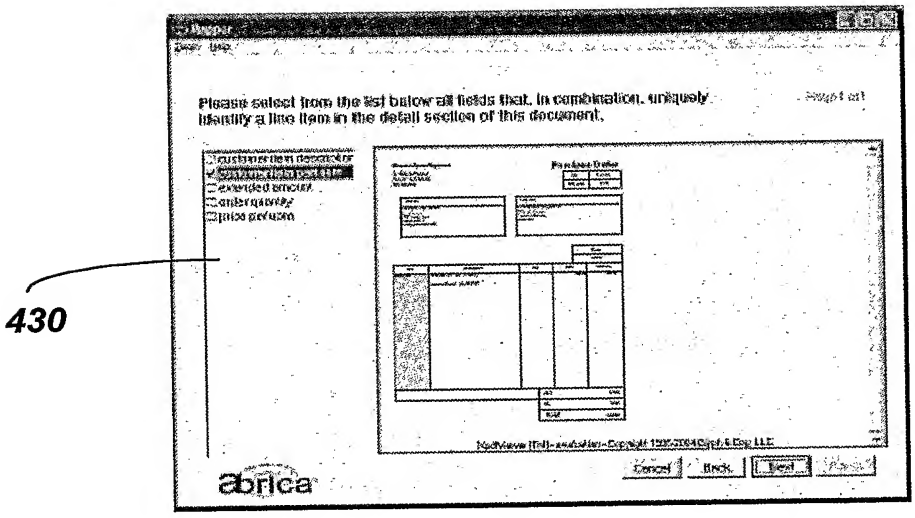

Please select from the list below all fields that, in combination, uniquely identify a line item in the detail section of this document.
430
abrica

FIG.19

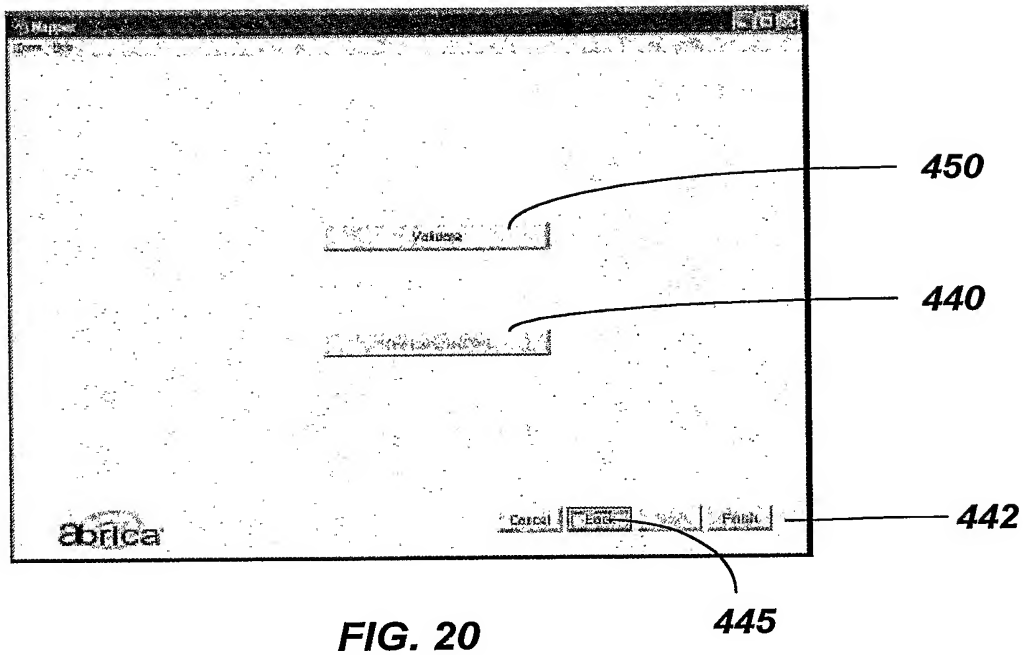


FIG. 20

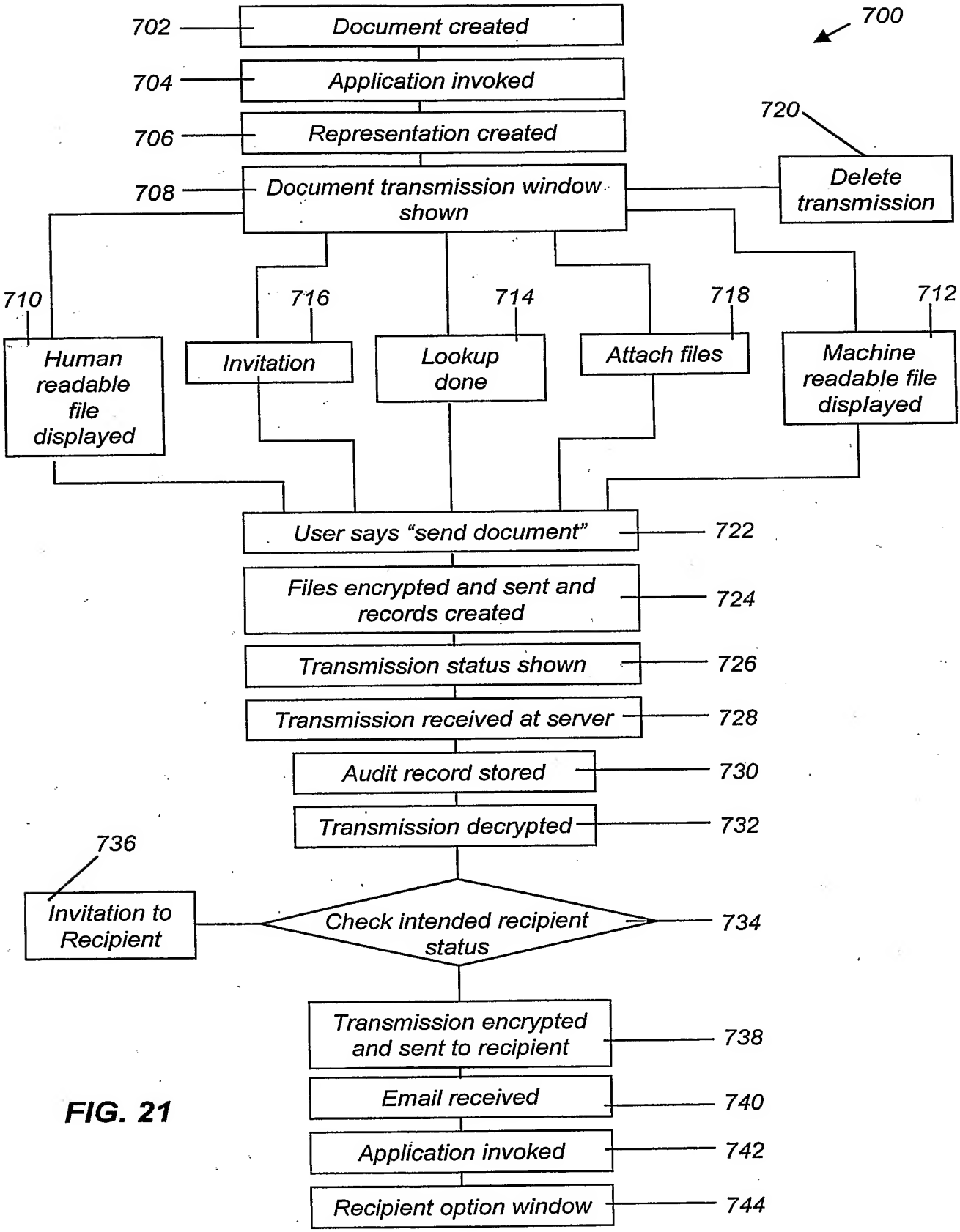

700
702
Document created
704
Application invoked
706
Representation created
708
Document transmission window shown
720
Delete transmission
710
Human readable file displayed
716
Invitation
714
Lookup done
718
Attach files
712
Machine readable file displayed
User says "send document"
722
Files encrypted and sent and records created
724
Transmission status shown
726
Transmission received at server
728
Audit record stored
730
Transmission decrypted
732
736
Invitation to Recipient
Check intended recipient status
734
Transmission encrypted and sent to recipient
738
Email received
740
Application invoked
742
Recipient option window
744

FIG. 21

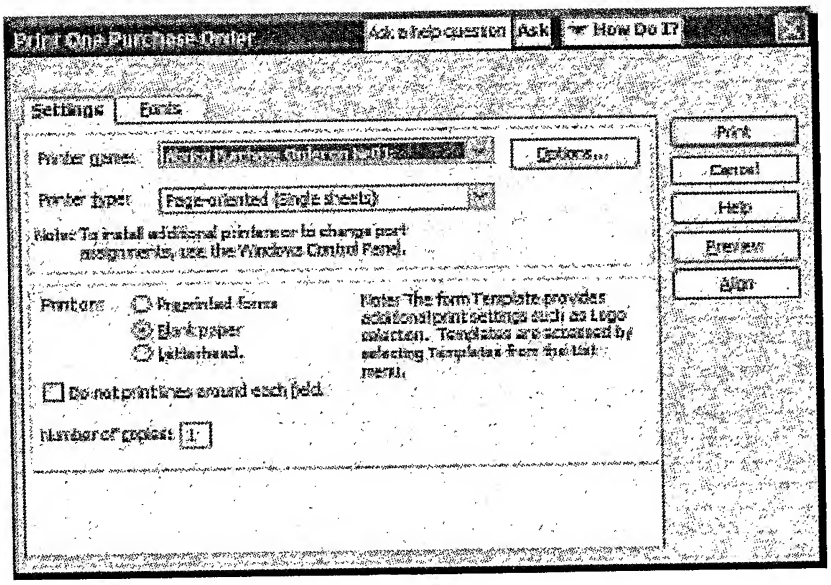

Print One Purchase Order
Ask a help question
Ask
How Do I?
Settings
Fonts
Printer name:
Options...
Printer type:
Page-oriented (single sheets)
Print
Cancel
Help
Preview
Align
Print on:
Preprinted forms
Blank paper
Letterhead
Note: The form Template provides additional print settings such as Logo selection. Templates are accessed by selecting Templates from the list menu.
Do not print lines around each field
Number of copies:
1

FIG. 22

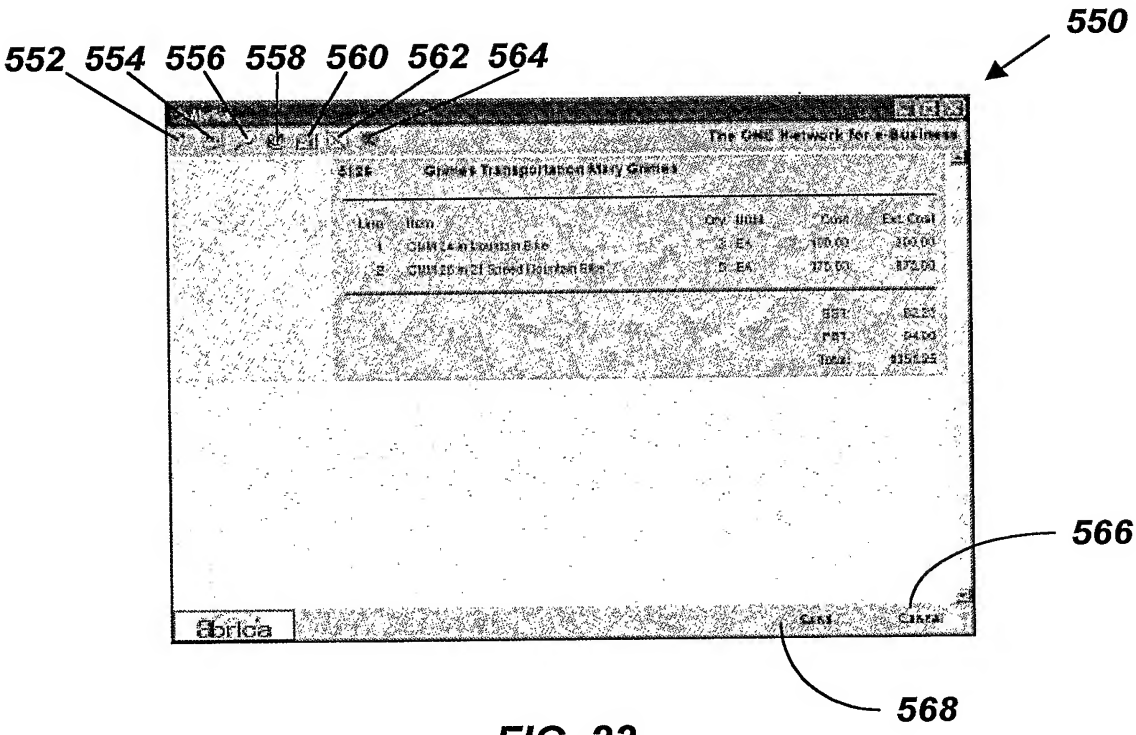


FIG. 23

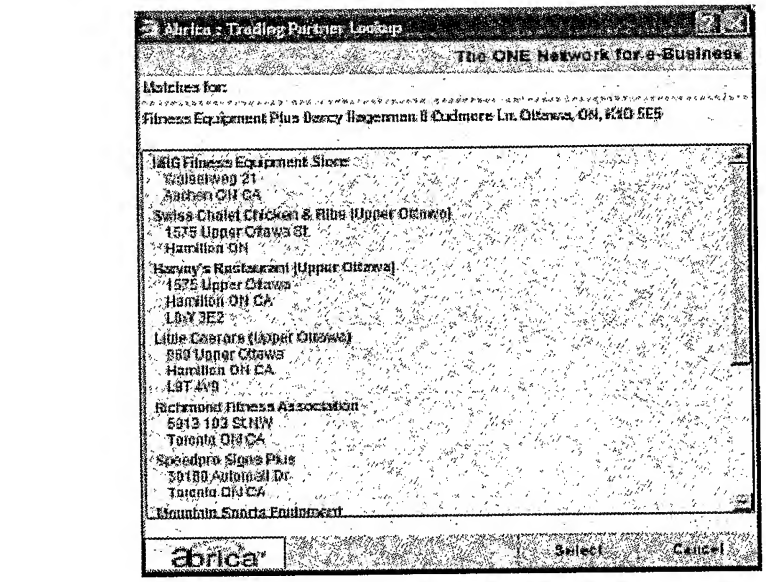

Abrica : Trading Partner Lookup
The ONE Network for e-Business
Matches for:
Fitness Equipment Plus Darcy Hagerman 8 Cudmore Ln. Ottawa, ON, K1G 5E5
1&G Fitness Equipment Store
Wallenweg 21
Aachen ON CA
Swiss Chalet Chicken & Ribs (Upper Ottawa)
1575 Upper Ottawa St
Hamilton ON
Harvey's Restaurant (Upper Ottawa)
1575 Upper Ottawa
Hamilton ON CA
L8W 3E2
Little Caesars (Upper Ottawa)
860 Upper Ottawa
Hamilton ON CA
L8T 4V9
Richmond Fitness Association
5913 103 St NW
Toronto ON CA
Speedpro Signs Plus
30180 Automall Dr
Toronto ON CA
Mountain Sports Equipment
abrica
Select
Cancel

FIG. 24

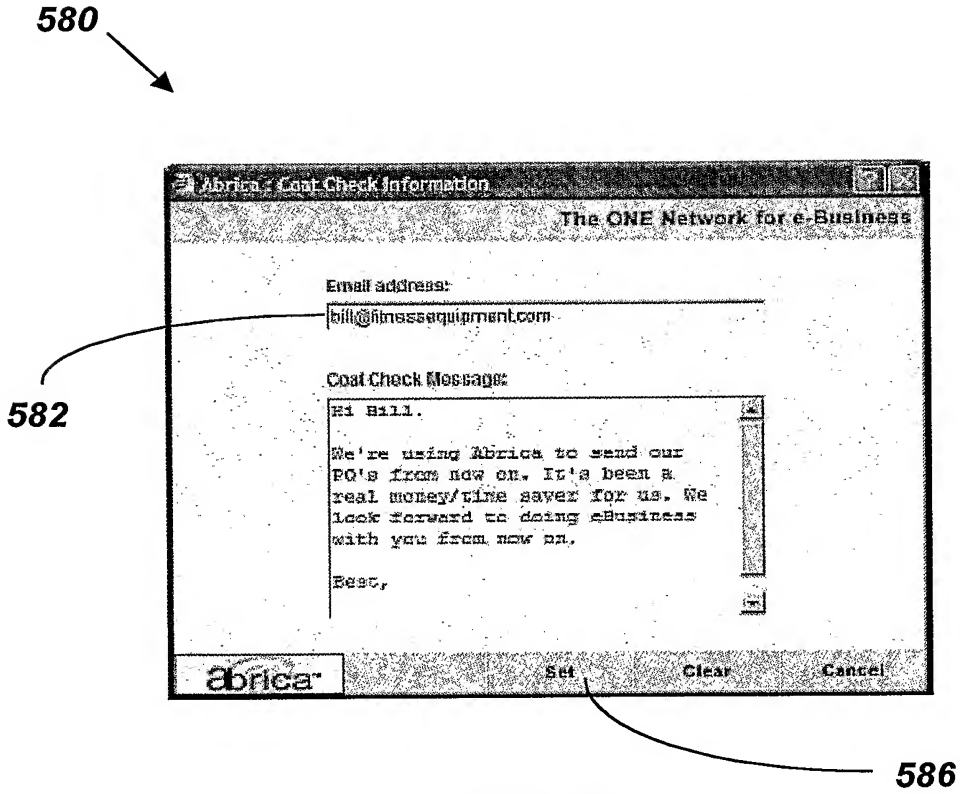

580
Abrica : Coat Check Information
The ONE Network for e-Business
Email address:
bill@fitnessequipment.com
582
Coat Check Message:
Hi Bill,
We're using Abrica to send our PO's from now on. It's been a real money/time saver for us. We look forward to doing eBusiness with you from now on.
Best,
abrica
Set
Clear
Cancel
586

FIG. 25

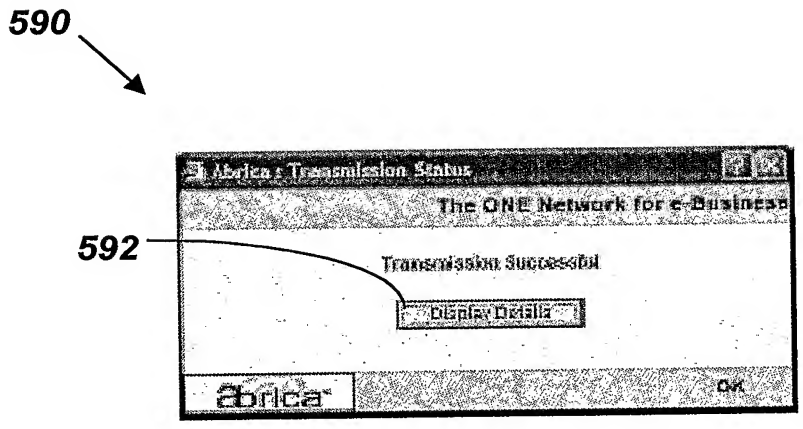

590
592
Abrica's Transmission Status
The ONE Network for e-Business
Transmission Successful
Display Details
abrica
OK

FIG. 26

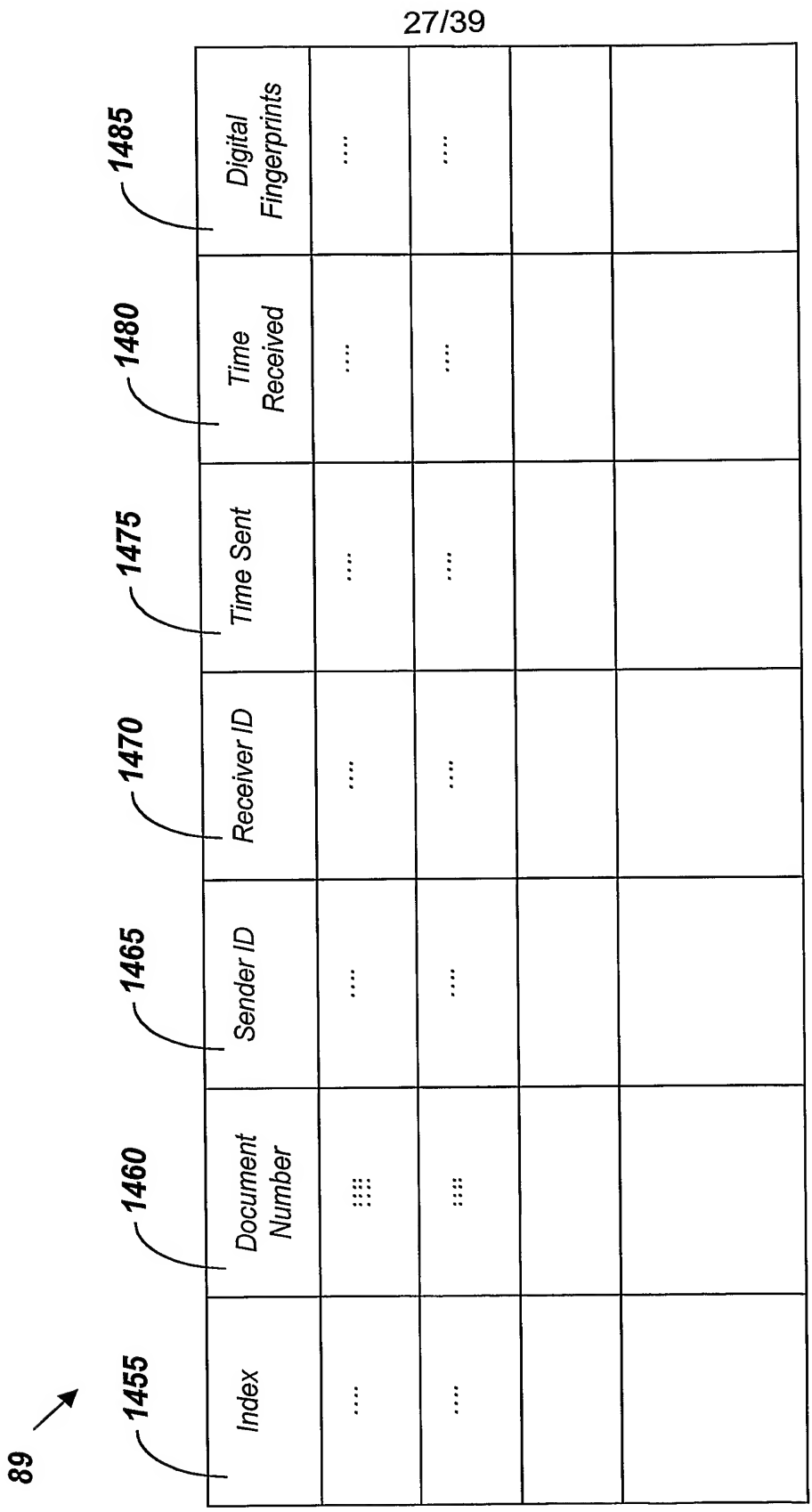

89
1455
Index
1460
Document Number
1465
Sender ID
1470
Receiver ID
1475
Time Sent
1480
Time Received
1485
Digital Fingerprints

FIG. 27

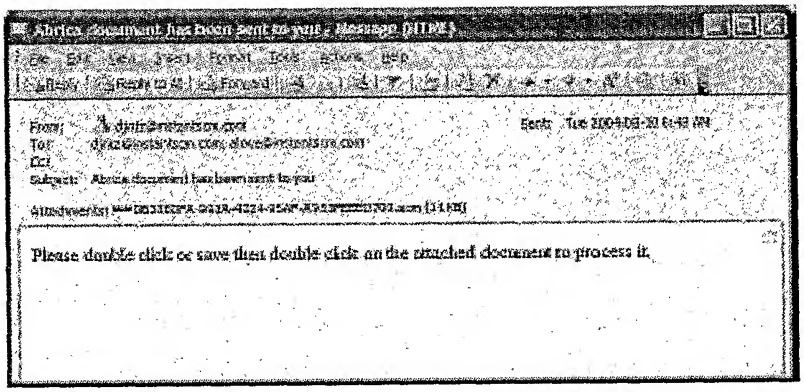

Please double click or save then double click on the attached document to process it.

FIG. 28

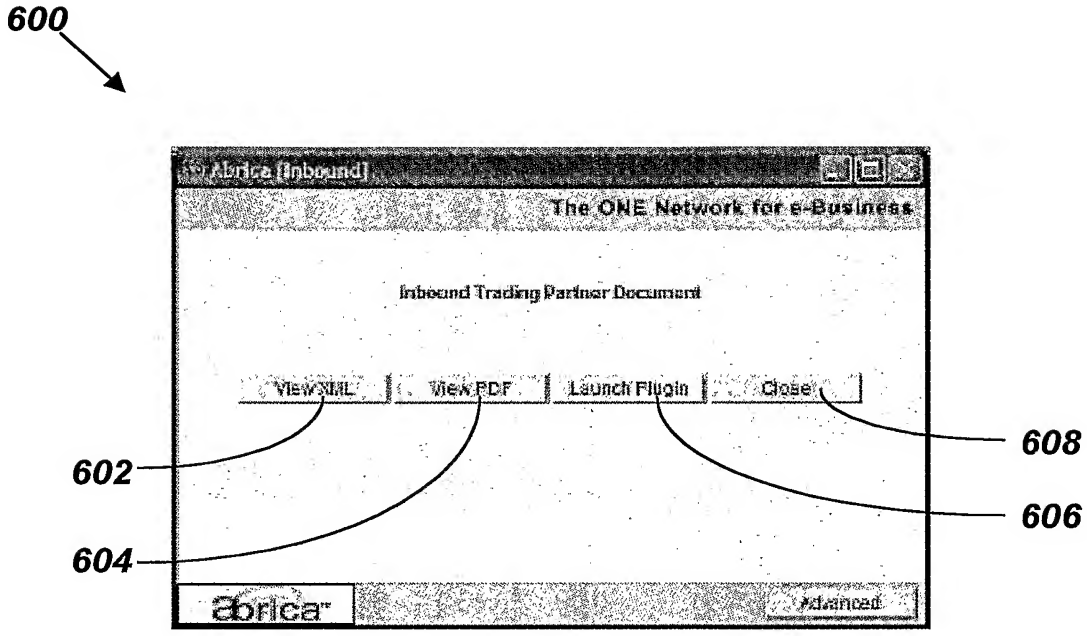

600
Abrica [Inbound]
The ONE Network for e-Business
Inbound Trading Partner Document
View XML
View PDF
Launch Plugin
Close
602
604
606
608
abrica
Advanced

FIG. 29

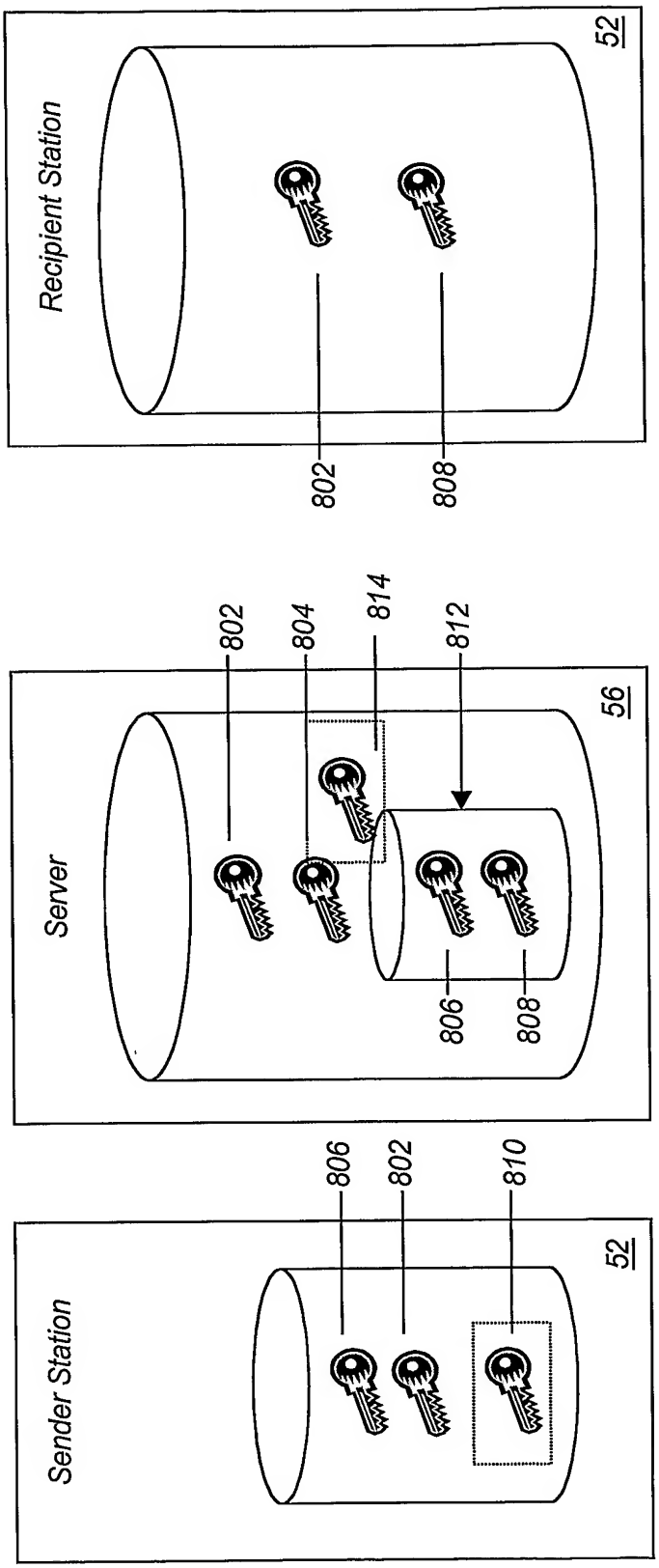

Recipient Station
52
802
808
Server
56
802
804
814
812
806
808
Sender Station
52
806
802
810

FIG. 30

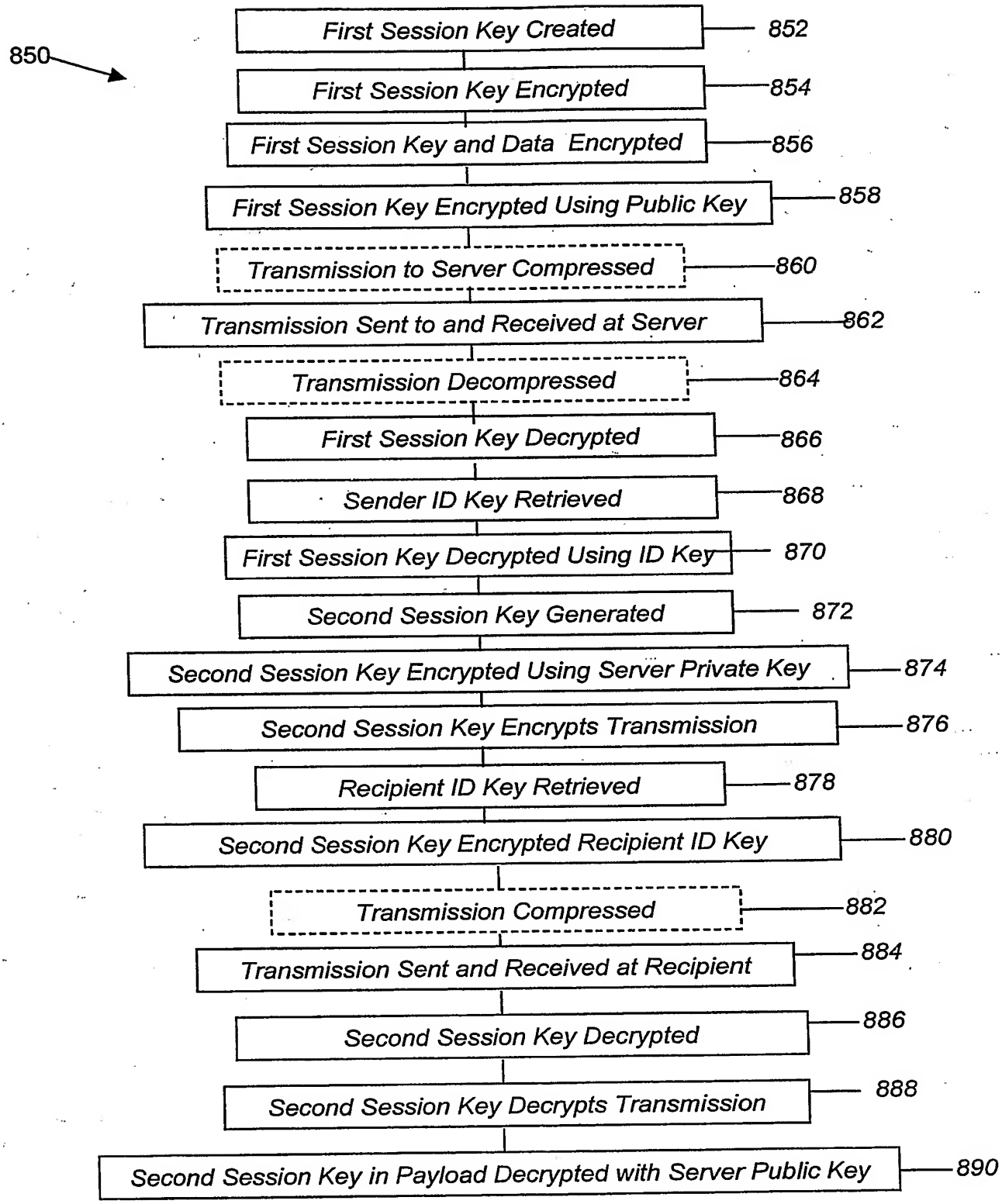

850
First Session Key Created
852
First Session Key Encrypted
854
First Session Key and Data Encrypted
856
First Session Key Encrypted Using Public Key
858
Transmission to Server Compressed
860
Transmission Sent to and Received at Server
862
Transmission Decompressed
864
First Session Key Decrypted
866
Sender ID Key Retrieved
868
First Session Key Decrypted Using ID Key
870
Second Session Key Generated
872
Second Session Key Encrypted Using Server Private Key
874
Second Session Key Encrypts Transmission
876
Recipient ID Key Retrieved
878
Second Session Key Encrypted Recipient ID Key
880
Transmission Compressed
882
Transmission Sent and Received at Recipient
884
Second Session Key Decrypted
886
Second Session Key Decrypts Transmission
888
Second Session Key in Payload Decrypted with Server Public Key
890

FIG. 31

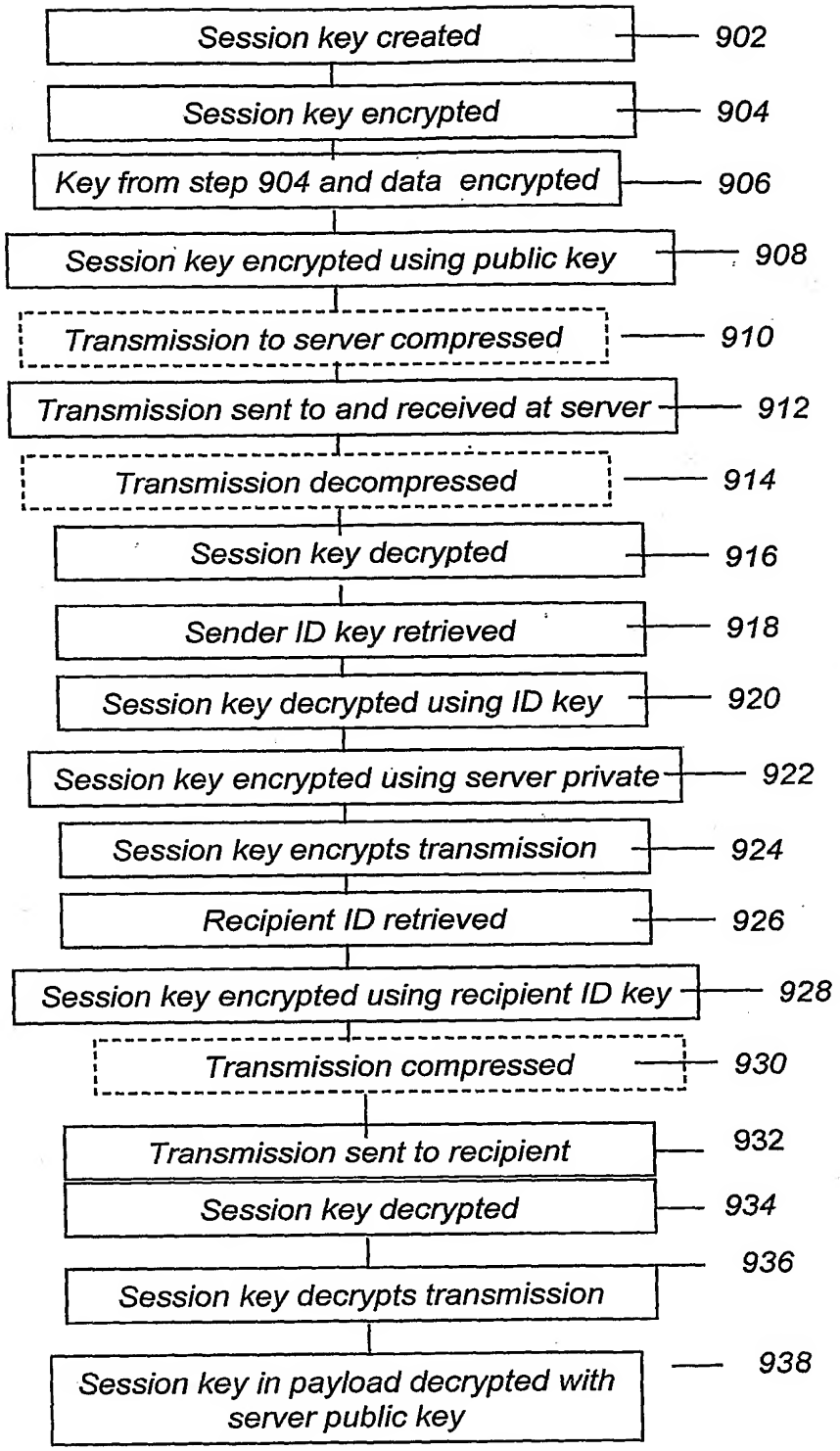

Session key created
902
Session key encrypted
904
Key from step 904 and data encrypted
906
Session key encrypted using public key
908
Transmission to server compressed
910
Transmission sent to and received at server
912
Transmission decompressed
914
Session key decrypted
916
Sender ID key retrieved
918
Session key decrypted using ID key
920
Session key encrypted using server private
922
Session key encrypts transmission
924
Recipient ID retrieved
926
Session key encrypted using recipient ID key
928
Transmission compressed
930
Transmission sent to recipient
932
Session key decrypted
934
Session key decrypts transmission
936
Session key in payload decrypted with server public key
938

FIG. 32

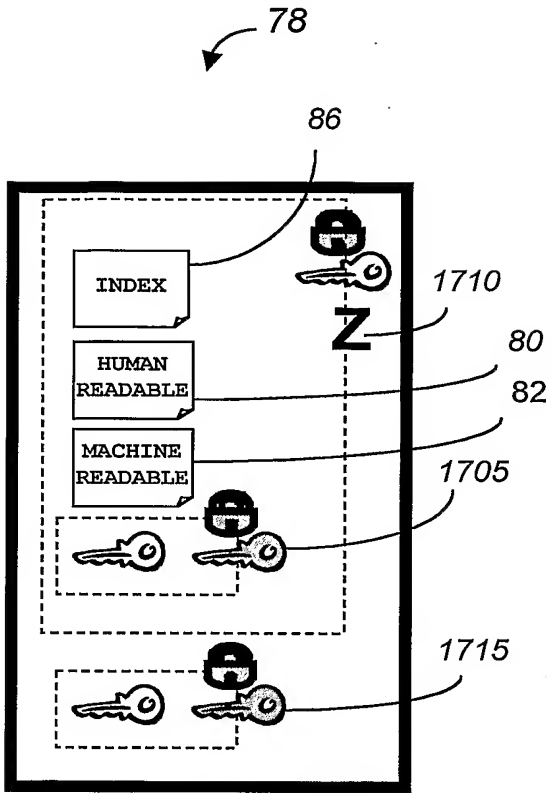

78
86
INDEX
1710
80
HUMAN READABLE
82
MACHINE READABLE
1705
1715

FIG. 33

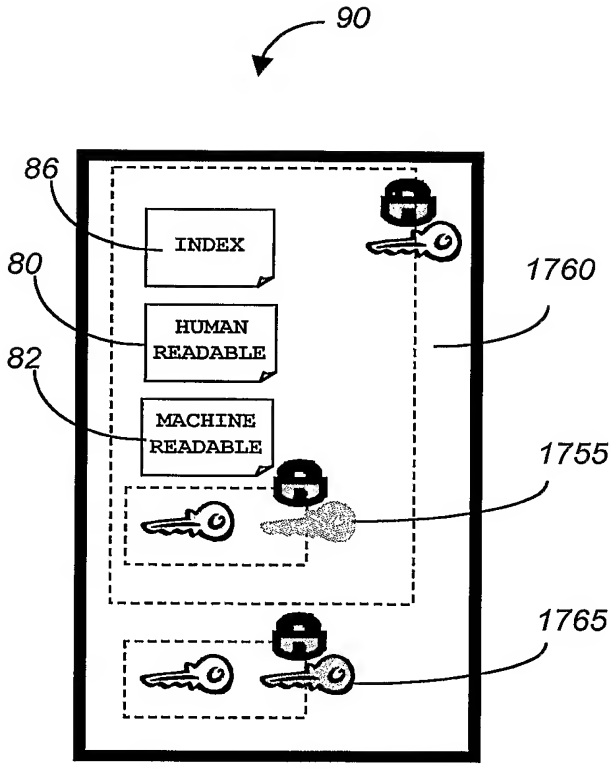

90
86
INDEX
80
HUMAN READABLE
82
MACHINE READABLE
1760
1755
1765

FIG. 34

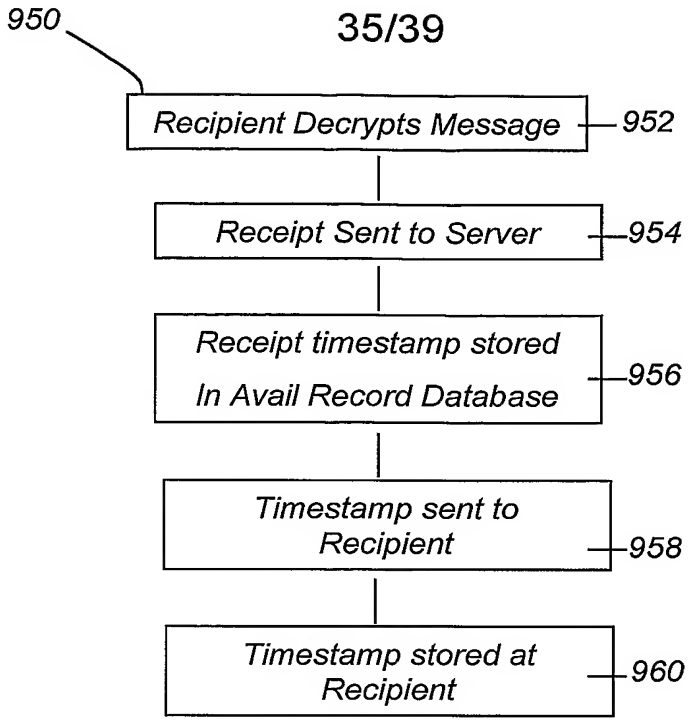


FIG.35a

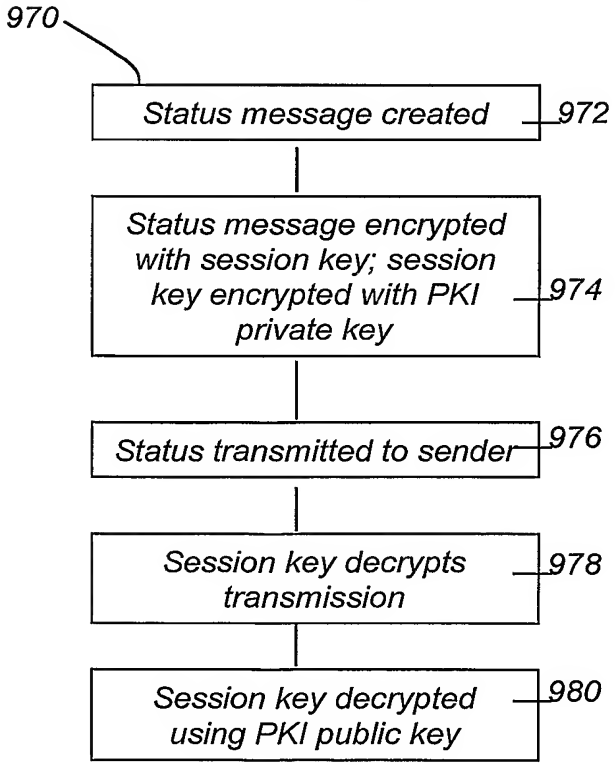


FIG.35b

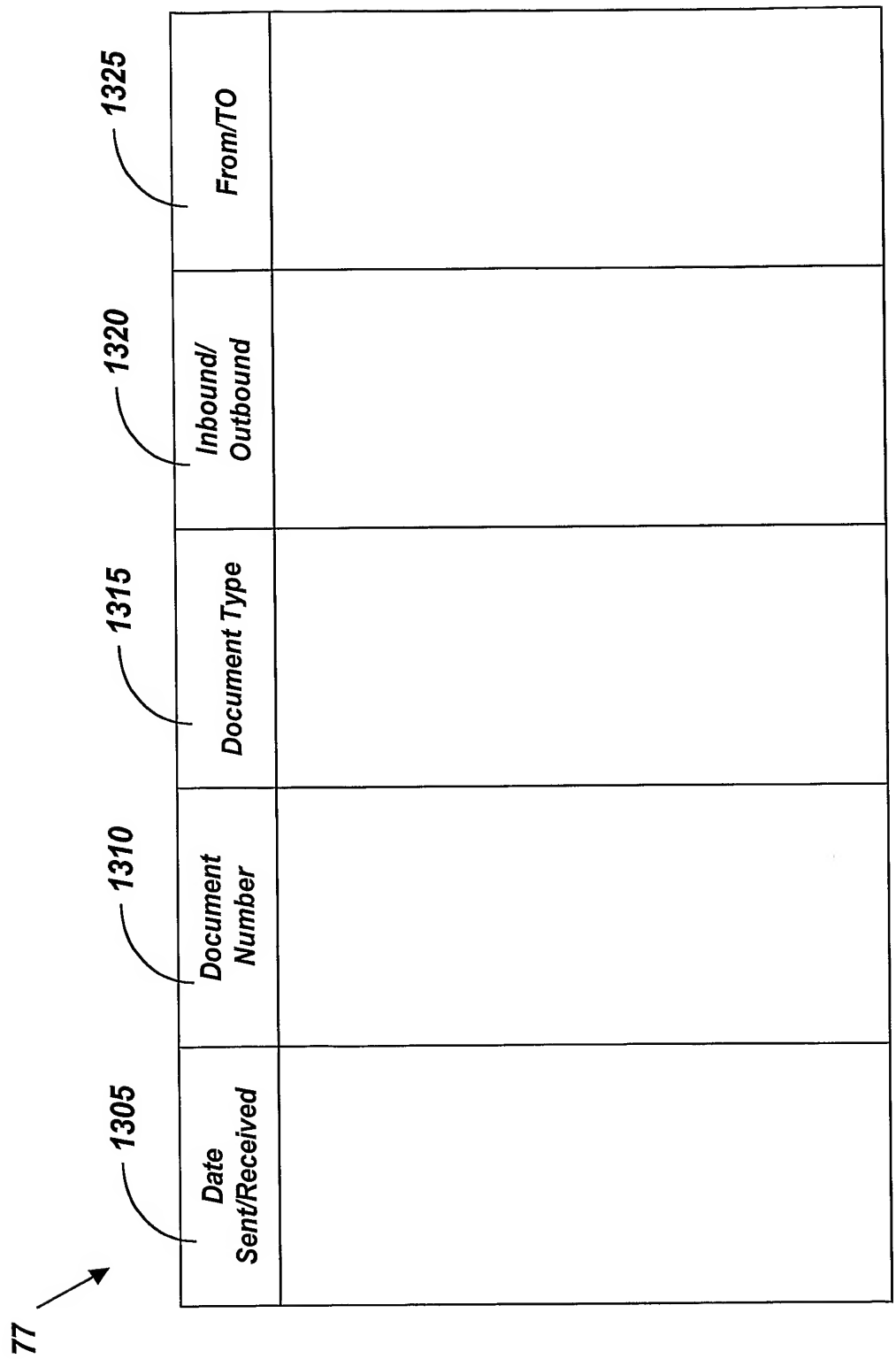
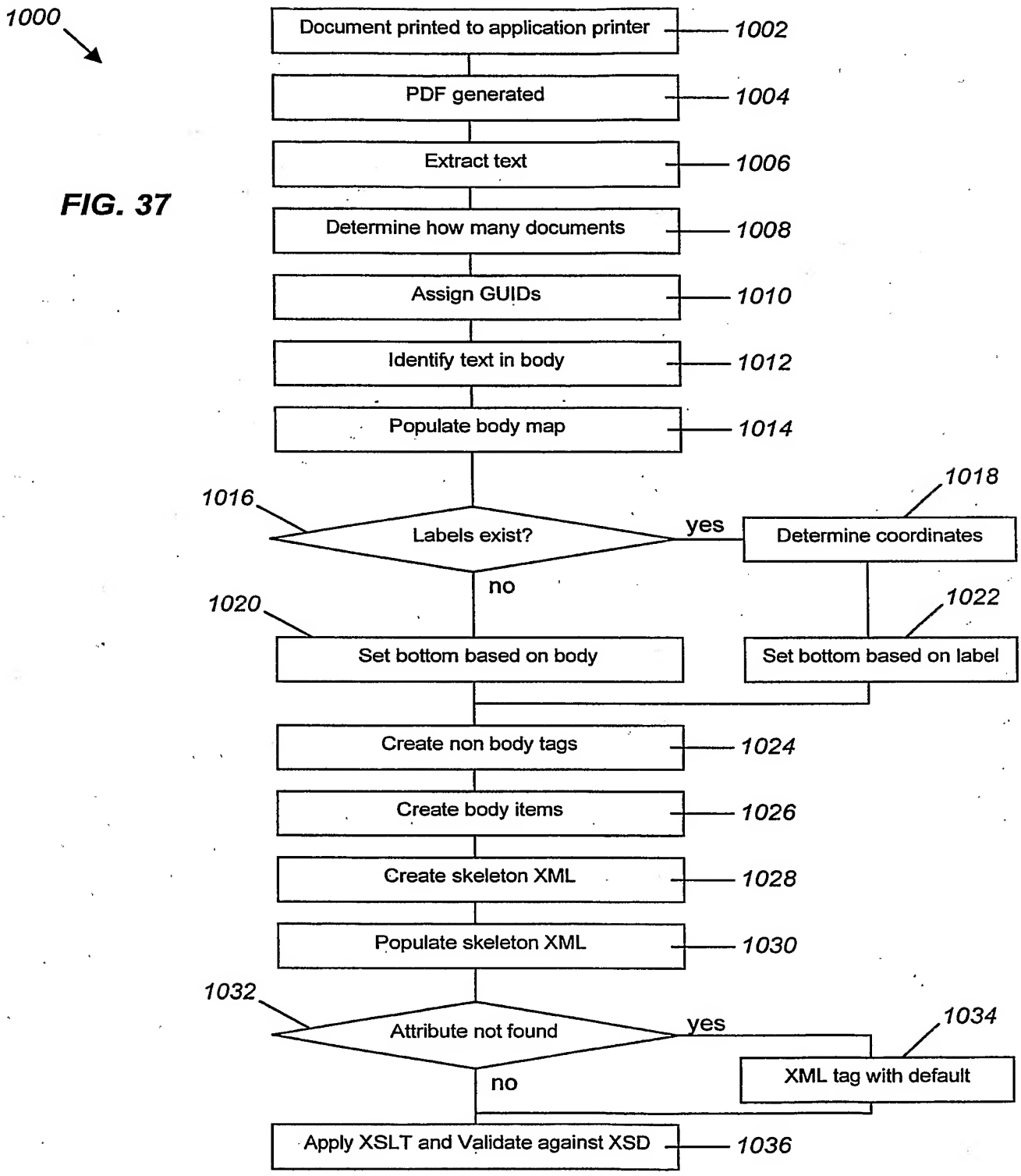

77
1305
Date Sent/Received
1310
Document Number
1315
Document Type
1320
Inbound/ Outbound
1325
From/TO

FIG. 36

FIG. 37


1000
Document printed to application printer
1002
PDF generated
1004
Extract text
1006
Determine how many documents
1008
Assign GUIDs
1010
Identify text in body
1012
Populate body map
1014
1016
Labels exist?
yes
1018
Determine coordinates
no
1020
Set bottom based on body
1022
Set bottom based on label
Create non body tags
1024
Create body items
1026
Create skeleton XML
1028
Populate skeleton XML
1030
1032
Attribute not found
yes
1034
XML tag with default
no
Apply XSLT and Validate against XSD
1036

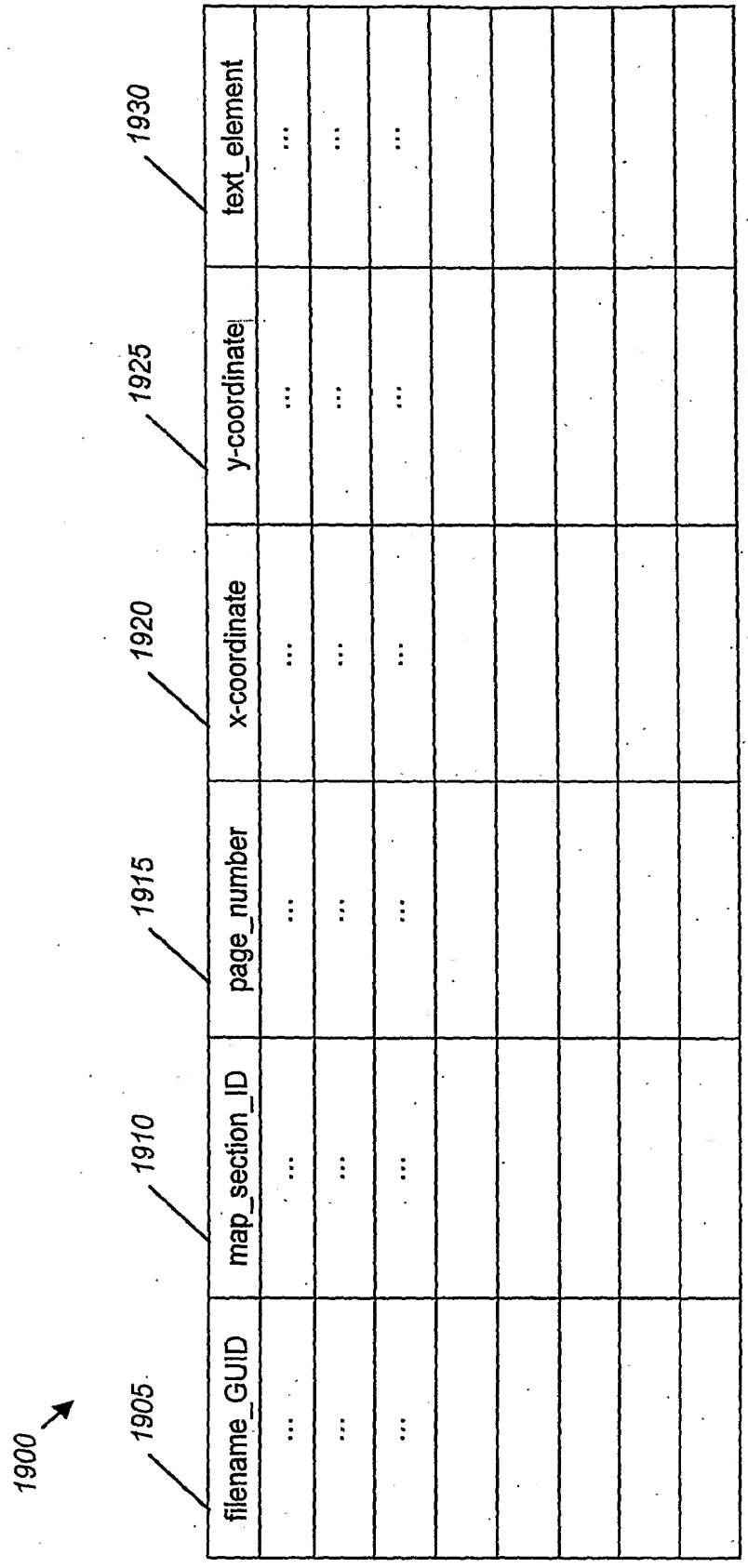

1900
1905
filename_GUID
1910
map_section_ID
1915
page_number
1920
x-coordinate
1925
y-coordinate
1930
text_element
...

FIG. 38

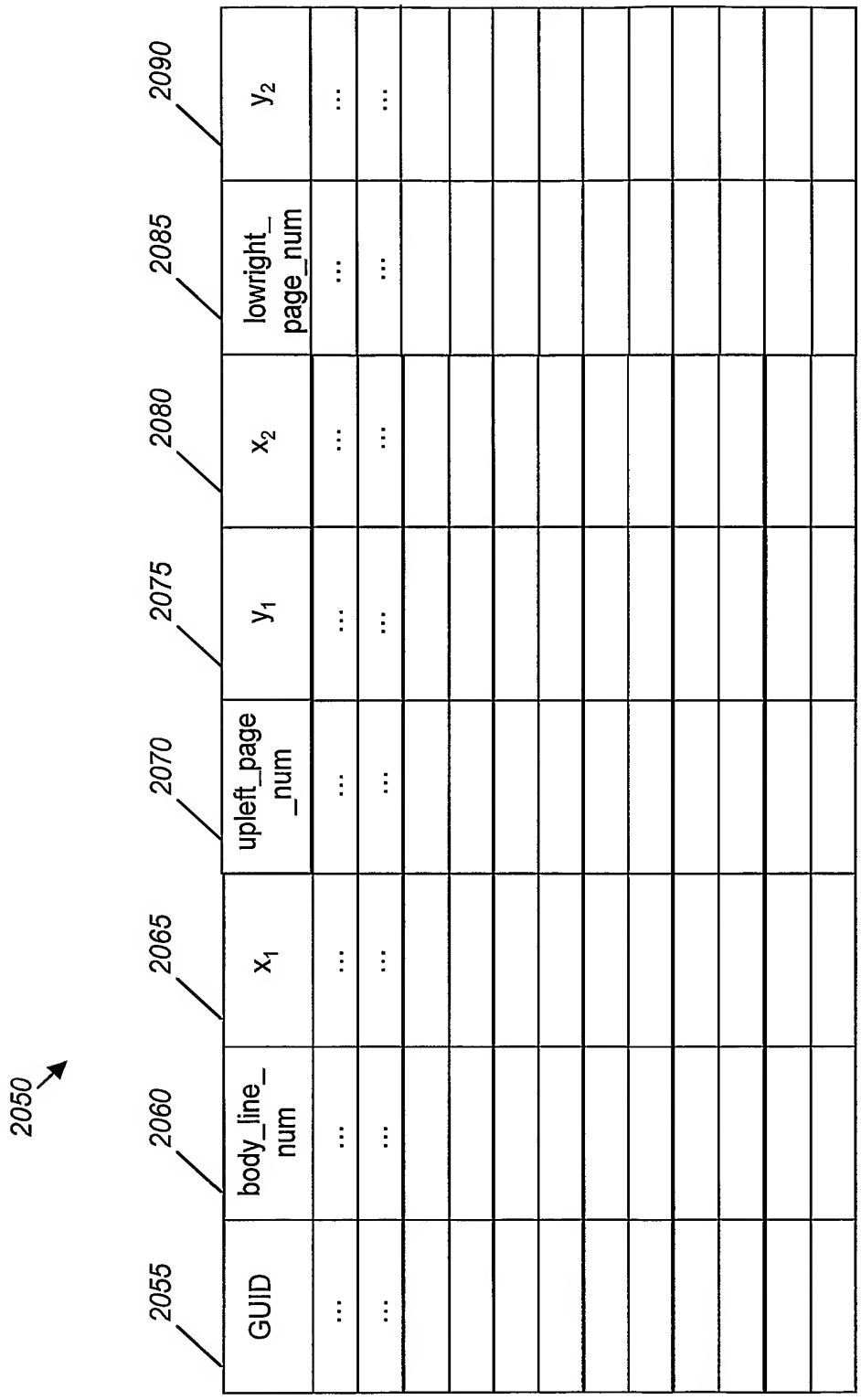

2050
2055
GUID
2060
body_line_num
2065
x1
2070
upleft_page_num
2075
y1
2080
x2
2085
lowright_page_num
2090
y2

FIG. 39